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ABSTRACT

The employment of graduates of all degree levels in Pennsylvania institutions of higher education was assessed in 1980, based on data for 48,162 graduates, or 54.3 percent of the graduates at all degree levels. Attention was directed to the proportions of graduates in each degree field and level: (1) employed in their fields of preparation, (2) employed in another field, (3) employed in Pennsylvania, (4) unemployed, or (5) pursuing advanced degrees. Differences in three postgraduation activities were determined by institutional type: state colleges and universities, state-related, private state-aided, and independent colleges and universities. Comparisons to 1979 findings were also made. It was found that in 1980 full-time employment for graduates at all five degree levels decreased by 0.2 percent over 1979. Unemployment and part-time employment increased by 0.7 percent and 0.2 percent respectively in 1980, while those pursuing advanced degrees decreased by 0.6 percent for graduates at all degree levels. At the bachelor's level employment was highest for graduates of health professions, engineering, and computer sciences. Lowest initial employment was found among graduates of social sciences, interdisciplinary studies, psychology, area studies, and physical and biological sciences. At the master's, doctoral, and first-professional degree levels, the proportion of graduates with full-time employment ranged from 84 to 95 percent. A relatively higher percentage of associate, bachelor's, and master's graduates employed in Pennsylvania is due to a higher regional demand for these degrees in contrast to doctoral and first-professional level graduates. (SW)

Postgraduation Activities:

All Degree Levels In Pennsylvania

1980

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SUMMARY

Purpose

This study examines the employment of graduates of all degree levels in Pennsylvania institutions of higher education in 1980. The study answers such questions as:

...How many graduates were employed? Underemployed? Pursuing advanced degrees?

...How many employed graduates held jobs in Pennsylvania?

...How many graduates held jobs for which they had prepared?

...What was the relative degree of employment success for graduates in each major discipline and degree field?

...What were the differences in postgraduation activities according to the type of institution?

Procedures

This report is based on data for 48,162 graduates, or 54.3 percent of the higher education graduates at all degree levels from Pennsylvania's postsecondary institutions who were subjects of this study.

Results

In 1980 full-time employment for graduates at all five degree levels decreased by 0.2 percent over 1979. Unemployment and part-time employment increased by 0.7 and 0.2 percent respectively in 1980, while those pursuing advanced degrees decreased by 0.6 percent for graduates at all degree levels.

At the bachelor's level employment was highest for graduates of health professions, engineering, and computer sciences. Lowest initial employment was found among graduates of social sciences, interdisciplinary studies, psychology, area studies, and physical and biological sciences.

Low initial employment of graduates in any major discipline reflects the proportion pursuing advanced degrees rather than their level of unemployment, which is generally moderate or low.

Some highlights in percentage terms for 1980 compared to 1979 follow:

Degree Level	Comparison of Postgraduation Results								Full-Time Employed			
	Full-Time Employed		Part-Time Employed		Not Employed		Advanced Degree		In Field Prepared		Employed in Pa.	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
Associate	71.7	68.1	2.2	3.8	4.2	5.9	21.9	22.1	87.0	87.9	84.6	87.4
Bachelor's	69.5	70.3	4.2	4.0	9.6	10.0	16.7	15.7	77.6	80.8	67.4	67.0
Master's	83.7	84.1	2.7	2.7	4.7	4.5	8.9	8.7	92.3	90.1	70.2	74.0
Doctoral	90.9	90.4	3.2	3.0	5.0	3.3	0.9	3.3	95.8	97.0	50.3	44.9
First-Prof.	95.1	94.9	1.3	0.2	1.5	2.2	2.1	2.6	98.8	98.7	60.0	57.3

INTRODUCTION

Employment success of higher education graduates is of keen interest, especially in times of financial inflation and dwindling student enrollments. Authorized by the Office of Higher Education, Pennsylvania Department of Education, this report is the eighth in a series to supply information useful to students, counselors and educational planners.

PROCEDURES

Objectives

Answers to the following questions were sought: What proportion of graduates in each degree field and degree level were: (1) employed in their fields of preparation, (2) employed in another field, (3) employed in Pennsylvania, (4) unemployed, or (5) pursuing advanced degrees? What differences are there in these postgraduation activities by institutional type--state colleges and university, state-related, private state-aided, and independent colleges and universities? How do the answers to these questions in 1980 compare with answers to these same questions in 1979?

Methodology

The subjects of this study were those graduated between January 1980 and August 1980 from all degree programs in Pennsylvania institutions of higher education. In the summer of 1979 forms were sent to contact persons at each postsecondary institution. These were usually career services officers appointed by their institutions to cooperate in this study.

The data collection methods varied among the institutions depending upon the survey method developed at each. For instance, one college surveys continuously by including a survey card in employment lists sent periodically to graduates. Upon employment, these graduates are requested to complete and return the card.

Another institution surveys its graduates at intervals, such as December graduates in March, May graduates in August, and August graduates in September. Other institutions survey all their graduates around mid-November. In December intensive follow-up procedures are initiated to obtain information from nonrespondents.

In general, the information in this report represents graduates' status five or six months after their graduation.

By the February 1, 1981 due date, the Division of Research and Evaluation had received forms containing information on 48,162 graduates, or 54.3 percent of the 88,738 graduates of Pennsylvania institutions of higher education in 1980. Institutions in the following categories participated in the study: all state colleges and university, state-related universities, community colleges and most state-aided and private colleges and universities, professional schools and proprietary institutions.

Validity of Sample

In several prior studies of this series, no significant differences were found between survey respondents and nonrespondents when follow-up surveys of the latter were made. Since the present study is similar to its predecessors, the sampling represented in this report is assumed to be adequately representative to provide valid conclusions.

Type and Location of Tables

Basic tables are presented in the text. Tables for each degree level report postgraduation activities of all responding graduates in each of the 23 major disciplines used in the federal HEGIS reporting system.

Tables in the appendix give additional information, such as results by institutions categorized as state colleges and university, state-related, private state-aided, and private colleges and universities. These appendix tables include an "all others" category which does not appear in the text tables which highlight results. The "all others" category in the appendix should represent the difference between the number of respondents and the number of graduates in each degree field.

RESULTS FOR BACCALAUREATE GRADUATES

A comparison of 1980 postgraduation results with the results of the preceding three years are given below. Shown here are increases in employment, increases in graduates employed in their fields of preparation, but also increases in outmigration for employment.

		Results for Bachelor's Graduates				Full-Time Employed	
Year	Responding Graduates	Full-Time Employed	Part-Time Employed	Unemployed	Advanced Degree	Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1977	29,140	62.0	5.8	15.9	16.3	75.5	69.6
1978	28,273	66.0	4.4	12.8	16.8	77.3	68.5
1979	29,819	69.5	4.2	9.6	16.7	77.6	67.4
1980	32,858	70.3	4.0	10.0	15.7	80.8	67.0

Table 1 summarizes the postgraduation status for 32,858 baccalaureate graduates in 23 major disciplines in 1980. Detailed data for these graduates by degree field and institutional segment are given in the appendix. Attention should be given to the interrelationships among the percentages following each major discipline in Table 1. For example, major disciplines with lower proportions of graduates in full-time employment tend to have higher proportions in other categories, such as pursuing advanced degrees and unemployed.

Full-Time Employment for Bachelor's graduates

Table 2 ranks the major disciplines from high to low according to the success of graduates in obtaining full-time employment in 1980. Comparable percentages and ranks from the 1979 report on baccalaureate graduates are included for comparison purposes.

Table 1

Employment Status by Major Discipline for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	673	230 (34.2)	152 (22.6)	57 (8.5)	26 (3.9)	31 (4.6)	81 (12.0)	96 (14.3)
Architecture and Environmental Design	107	43 (40.2)	35 (32.7)	3 (2.8)	2 (1.9)	1 (0.9)	6 (5.6)	17 (15.9)
Area Studies	39	5 (12.8)	2 (5.1)	8 (20.5)	4 (10.3)	4 (10.3)	5 (12.8)	11 (28.2)
Biological Science	1,913	373 (19.5)	138 (7.2)	143 (7.5)	77 (4.0)	49 (2.6)	181 (9.5)	952 (49.8)
Business and Management	7,061	3,358 (47.6)	1,440 (20.4)	481 (6.8)	202 (2.9)	180 (2.5)	873 (12.4)	527 (7.5)
Communications	703	217 (30.9)	99 (14.1)	132 (18.8)	51 (7.3)	47 (6.7)	112 (15.9)	45 (6.4)
Computer and Information Sciences	566	280 (49.5)	208 (36.7)	9 (1.6)	5 (0.9)	2 (0.4)	37 (6.5)	25 (4.4)
Education	5,032	2,018 (40.1)	886 (17.6)	571 (11.3)	168 (3.3)	512 (10.2)	412 (8.2)	465 (9.2)
Engineering	3,165	1,231 (38.9)	1,507 (47.6)	34 (1.1)	44 (1.4)	2 (0.1)	111 (3.5)	236 (7.5)
Fine and Applied Arts	957	263 (27.5)	135 (14.1)	124 (13.0)	54 (5.6)	76 (7.9)	146 (15.3)	159 (16.6)
Foreign Languages	371	51 (13.7)	38 (10.2)	87 (23.5)	39 (10.5)	14 (3.8)	61 (16.4)	81 (21.8)
Health Professions	2,430	1,754 (72.2)	385 (15.8)	29 (1.2)	9 (0.4)	44 (1.8)	66 (2.7)	143 (5.9)
Home Economics	645	293 (45.4)	133 (20.6)	45 (7.0)	18 (2.8)	32 (5.0)	56 (8.7)	68 (10.5)
Law	37	3 (8.1)	3 (8.1)	-	7 (18.9)	-	1 (2.7)	23 (62.2)
Letters	1,172	238 (20.3)	118 (10.1)	223 (19.9)	111 (9.5)	36 (3.1)	155 (13.2)	291 (24.8)
Library Science	67	34 (50.7)	5 (7.5)	14 (20.9)	-	3 (4.5)	4 (6.0)	7 (10.4)
Mathematics	540	211 (39.1)	147 (27.2)	31 (5.7)	12 (2.2)	7 (1.3)	37 (6.9)	95 (17.6)
Physical Sciences	1,055	219 (20.8)	186 (17.6)	42 (4.0)	38 (3.6)	16 (1.5)	81 (7.7)	473 (44.8)
Psychology	1,322	302 (22.8)	95 (7.2)	229 (17.3)	101 (7.6)	66 (5.0)	173 (13.1)	356 (26.9)
Public Affairs and Services	1,659	623 (37.6)	222 (13.4)	221 (13.3)	80 (4.8)	71 (4.3)	271 (16.3)	171 (10.3)
Social Sciences	2,812	521 (18.5)	268 (9.5)	507 (18.0)	267 (9.5)	100 (3.6)	363 (12.9)	786 (28.0)
Theology	151	34 (22.5)	24 (15.9)	29 (19.2)	9 (6.0)	2 (1.3)	4 (2.6)	49 (32.5)
Interdisciplinary Studies	381	83 (21.8)	37 (9.7)	57 (15.0)	32 (8.4)	21 (5.5)	51 (13.4)	100 (26.2)
GRAND TOTAL	32,858	12,384 (37.7)	6,263 (19.1)	3,076 (9.4)	1,356 (4.1)	1,316 (4.0)	3,287 (10.0)	5,176 (15.7)

Figures in parenthesis represent percentage values.

Table 2

Percentage of Bachelor's Degree Graduates with Full-Time Employment, Ranked by Major Discipline for 1980

Major Discipline	Percent 1979	Percent 1980	Rank 1979	Rank 1980
Health Professions	88.9	89.6	2	1
Engineering	88.5	89.0	3	2
Computer and Information Sciences	89.0	88.7	1	3
Library Sciences	76.2	79.1	6	4
Business and Management	78.7	77.7	4	5
Architecture and Environmental Design	77.4	77.6	5	6
Home Economics	74.3	75.8	9	7
Mathematics	74.6	74.2	8	8
Education	73.9	72.3	10	9
Communications	70.3	71.1	12	10
Agriculture and Natural Resources	66.7	69.2	13	11
Public Affairs and Services	71.0	69.1	11	12
Theology	74.6	63.6	7	13
Fine and Applied Arts	62.3	60.2	14	14
Letters	56.7	58.9	17	15
Foreign Languages	58.1	57.9	16	16
Social Sciences	56.6	55.5	18	17
Interdisciplinary Studies	59.9	54.9	15	18.5
Psychology	53.9	54.9	19	18.5
Area Studies	50.0	48.7	20	20
Physical Sciences	45.7	46.0	21	21
Biological Sciences	36.9	38.2	22	22
Law	28.6	35.1	23	23

The percentage changes in full-time employment for baccalaureate graduates between 1979 and 1980 were:

	Percent Increase		Percent Decrease
Law	6.5	Theology	11.0
Library Science	2.9	Interdisciplinary Studies	5.0
Agriculture and Natural Resources	2.5	Fine and Applied Arts	2.1
Letters	2.2	Public Affairs and Services	1.9
Home Economics	1.5	Education	1.6
Biological Sciences	1.3	Area Studies	1.3
Psychology	1.0	Social Sciences	1.1
Communications	0.8	Business and Management	1.0
Health Professions	0.7	Mathematics	0.4
Engineering	0.5	Computer and Information Sciences	0.3
Physical Science	0.3		
Architecture	0.2	Foreign Languages	0.2

Percentage of Graduates Not Seeking Employment

The percentage of baccalaureate graduates not seeking employment has held steady at approximately 2.0 percent over the past four years. In a detailed study in 1974, 2.3 percent of the 25,176 graduates surveyed indicated they were not seeking employment at that time. In 1978 an inquiry directed at career services officers at the state colleges and university revealed the percentage of graduates not seeking employment ranged from a low of 0.5 percent at one institution to a high of 4.3 at another, for an average of about 2.0 percent.

Bachelor's Graduates Employed in Field of Preparation

Table 3 indicates by percent and rank the degree to which full-time employed baccalaureate graduates were employed in their field of preparation in 1979 and 1980.

Table 3

Percentage of Full-Time Employed Bachelor's Degree Graduates
Employed in Their Field of Preparation, Ranked by Major Discipline, 1980

Major Discipline	Percent		Rank	
	1979	1980	1979	1980
Health Professions	97.5	98.3	1	1
Engineering	96.4	97.2	2	2.5
Computer and Information Sciences	95.1	97.2	3	2.5
Architecture and Environmental Design	93.1	94.0	4	4
Mathematics	83.9	89.3	8	5
Business and Management	85.1	87.5	6	6
Home Economics	88.0	87.1	5	7
Physical Sciences	78.6	83.5	10	8
Agriculture and Natural Resources	78.9	82.2	9	9
Education	78.2	79.7	11	10
Public Affairs and Services	72.2	73.7	12	11
Library Science	85.0	73.6	7	12
Biological Science	61.3	69.9	16	13
Fine and Applied Arts	67.3	69.1	14	14
Communications	72.1	63.3	13	15
Theology	62.0	60.4	15	16
Interdisciplinary Studies	56.5	57.4	17	17
Psychology	51.8	54.6	18	18
Letters	48.3	51.6	21	19
Social Sciences	50.8	50.5	19	20
Law	50.0	46.2	20	21
Foreign Languages	41.2	41.4	22	22
Area Studies	33.3	36.8	23	23

Increases and decreases in the percentages of full-time employed bachelor's graduates employed in their field of preparation between 1979 and 1980 are listed below.

	Percent Increase		Percent Decrease
Biological Sciences	8.6	Library Science	11.4
Mathematics	5.4	Communications	8.8
Physical Sciences	4.9	Law	3.8
Area Studies	3.5	Theology	1.6
Agriculture and Natural Resources	3.3	Home Economics	0.9
Letters	3.3	Social Sciences	0.3
Psychology	2.8		
Business and Management	2.4		
Computer and Information Sciences	2.1		
Fine and Applied Arts	1.8		
Education	1.5		
Public Affairs and Services	1.5		
Architecture and Environmental Design	0.9		
Interdisciplinary Studies	0.9		
Health Professions	0.8		
Engineering	0.8		
Foreign Languages	0.2		

Bachelor's Graduates Employed in Pennsylvania

Table 4 ranks the major disciplines according to the percentage of fully employed baccalaureate graduates in each discipline who are employed in Pennsylvania.

Table 4

Percentage of Full-Time Employed Bachelor's Graduates Employed in Pennsylvania, Ranked by Major Discipline, 1980

Major Discipline	Percent		Rank	
	1979	1980	1979	1980
Library Science	70.0	90.6	8	1
Health Professions	83.3	81.9	1	2
Public Affairs and Services	75.7	73.6	2	3
Psychology	73.3	73.0	5	4
Education	73.9	71.1	3	5
Biological Sciences	63.4	70.6	12	6
Communications	73.8	70.0	4	7
Home Economics	70.1	69.1	7	8
Business and Management	72.0	70.0	6	9
Area Studies	53.3	68.4	20	10
Fine and Applied Arts	66.7	67.2	9	11
Interdisciplinary Studies	65.1	67.0	10	12
Letters	62.2	66.8	13	13
Social Sciences	60.8	65.8	14	14
Theology	45.5	65.6	22	15
Foreign Languages	59.8	64.2	15	16
Agriculture and Natural Resources	57.7	61.7	17	17
Mathematics	54.3	60.3	18	18
Computer and Information Sciences	64.8	57.6	11	19
Architecture	59.7	55.4	15	20
Physical Sciences	54.1	53.8	19	21
Engineering	42.7	44.9	23	22
Law	50.0	23.1	21	23

Percentage changes in baccalaureate graduates' full-time employment in Pennsylvania between 1979 and 1980 were:

	Percent Increase		Percent Decrease
Library Science	20.6	Law	26.9
Theology	20.1	Computer and Information Sciences	7.2
Area Studies	15.1		
Biological Sciences	7.2	Architecture	4.3
Mathematics	6.0	Communications	3.8
Social Sciences	5.0	Education	2.8
Letters	4.6	Public Affairs and Service	2.1
Foreign Languages	4.4	Business and Management	2.0
Agriculture and Natural Resources	4.0	Health Professions	1.4
Engineering	2.2	Home Economics	1.0
Interdisciplinary Studies	1.9	Psychology	0.3
Fine and Applied Arts	0.5	Physical Sciences	0.3

Bachelor's Graduates Seeking Advanced Degrees

Table 5 permits comparison of the extent to which baccalaureate graduates in each major discipline pursued advanced degrees in 1979 and 1980.

Table 5

Percentage of Bachelor's Graduates Pursuing
Advanced Degrees, Ranked by Major Disciplines, 1980

Major Disciplines	Percent 1979	Percent 1980	Rank 1979	Rank 1980
Law	71.4	62.2	1	1
Biological Sciences	52.2	49.8	2	2
Physical Sciences	45.6	44.8	3	3
Theology	17.3	32.5	11	4
Area Studies	30.0	28.2	4	5
Social Sciences	29.8	28.0	5	6
Psychology	27.5	26.9	7	7
Interdisciplinary Studies	22.0	26.2	9	8
Letters	29.4	24.8	6	9
Foreign Languages	23.9	21.8	8	10
Mathematics	20.2	17.6	10	11
Fine and Applied Arts	16.1	16.6	12	12
Architecture and Environmental Design	12.9	15.9	14	13
Agriculture and Natural Resources	14.9	14.3	13	14
Home Economics	9.6	10.5	17	15
Library Science	10.5	10.4	15	16
Public Affairs and Services	9.9	10.3	16	17
Education	8.0	9.2	19	18
Business and Management	7.0	7.5	21	19.5
Engineering	9.0	7.5	18	19.5
Communications	7.6	6.4	20	21
Health Professions	4.8	5.9	23	22
Computer and Information Sciences	6.0	4.4	22	23

Listed below are the changes in percentages of baccalaureate graduates pursuing advanced degrees between 1979 and 1980.

	Percent Increase
Theology	15.2
Interdisciplinary Studies	4.2
Architecture	3.0
Education	1.2
Health Professions	1.1
Home Economics	0.9
Business and Management	0.5
Fine and Applied Arts	0.5
Public Affairs and Services	0.4

	Percent Decrease
Law	9.2
Letters	4.6
Mathematics	2.6
Biological Sciences	2.4
Foreign Languages	2.1
Area Studies	1.8
Social Sciences	1.8
Computer and Information Sciences	1.6
Engineering	1.5
Communications	1.2
Physical Sciences	0.8
Psychology	0.6
Agriculture and Natural Resources	0.6
Library Sciences	0.1

Bachelor's Level Employment Ranked by Major Discipline, 1974-1980

Table 6 ranks the 23 major disciplines according to the average of their full-time employment ranks over the past seven years.

Table 6

Full-Time Employment Rank Comparisons for Bachelor's Degree Graduates Listed by Mean Ranking Over Time (1974-1980)

Cumulative Rank	Discipline	Ranks 1974	1975	1976	1977	1978	1979	1980
1.	Computer and Information Sciences	1	3	1	2	3	1	3
2.5	Engineering	2	4	3	3	2	3	2
2.5	Health Professions	7	5	2	1	1	2	1
4.	Business and Management	3	7	4.5	5	5	4	5
5.	Library Science	8	6	4.5	4	6	6	4
6.	Agriculture and Natural Resources	6	2	7	7	7	13	11
7.	Communication	9	1	8	10	9.5	12	10
8.	Education	4	10	10	9	8	10	9
9.	Mathematics	10	11.5	9	8	7	8	8
10.	Home Economics	12	8	6	12	9.5	9	7
11.	Architecture and Environ. Design	14	11.5	13	6	11	5	6
12.	Public Affairs and Services	11	9	11	11	12	11	12
13.	Theology	5	13	14	14	13	7	13
14.	Fine and Applied Arts	16	14	15	13	18	14	14
15.	Letters	19	15	16	16	20	17	15
16.	Foreign Languages	23	16	17	20	14	16	16
17.	Interdisciplinary Studies	17	18	20	19	16	15	18.5
18.	Psychology	15	19	19	18	17	19	18.5
19.	Social Sciences	20	17	18	15	21	18	17
20.	Area Studies	18	22	13	17	19	20	20
21.	Law	13	23	23	22	15	23	23
22.	Physical Sciences	21	20	21	21	22	21	21
23.	Biological Sciences	22	21	22	23	23	22	22

Implications of Full-Time Employment Rank Averages

Implications of Table 6 are summarized in the brief table below which shows that unemployment percentages remain relatively constant even though full-time employment may vary considerably. This summary table shows that among baccalaureate graduates full-time employment varies with the percentage pursuing advanced degree rather than with the percentage of those unemployed.

Category	Survey Years	Total Respondents	Employed Full Time	Employed Part Time	Unemployed	Pursuing Advanced Degree
			%	%	%	%
12 disciplines with highest employment rank averages	1974-79	109,518	70.0	6.0	15.6	8.0
	(1980 only)	(22,648)	(78.4)	(4.1)	(9.1)	(8.4)
11 disciplines with lowest employment rank averages	1974-79	44,935	49.1	4.2	15.7	31.0
	(1980 only)	(10,210)	(52.1)	(3.8)	(12.0)	(32.1)

Further postgraduation employment results were obtained when a large scale resurvey of 1974 bachelor's graduates was conducted two and one-half years later in 1977. Findings indicated that full-time employment increased by an overall average of 12 percent for graduates in all major disciplines except four, in which decreases were noted.

This resurvey showed that of the 11 major disciplines ranking lowest for employment in Table 6, graduates in four disciplines increased in full-time employment by an overall average of 20 percent. These disciplines were area studies, social sciences, foreign languages, and fine and applied arts. Full-time employment increases averaging six percent also occurred for graduates in biology, psychology, and letters. However, employment decreases averaging 10 percent were found for graduates of theology, law, physical sciences, and interdisciplinary studies. These latter four disciplines were among the highest for the percentage of bachelor's graduates pursuing advanced degrees.

RESULTS FOR MASTER'S DEGREE GRADUATES

Highlighted below are the postgraduation results for master's graduates for 1980 and the three previous years. Master's graduates show improvement in employment and generally have higher levels of employment, lower unemployment and jobs more highly related to their major field than bachelor's graduates.

		Results for Master's Graduates				Full-Time Employed	
Year	Responding Graduates	Full Time	Part Time	Unemployed	Advanced Degree	Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1977	4,207	79.6	3.7	6.7	10.0	90.6	76.8
1978	3,847	82.1	2.3	5.5	10.1	90.8	77.3
1979	3,567	83.7	2.7	4.7	8.9	92.3	70.2
1980	3,780	84.1	2.7	4.5	8.7	90.1	74.0

Table 7 summarizes the postgraduation status of 3,780 master's degree recipients in 23 major disciplines in 1980. Detailed data for graduates in each degree field and institutional segment are given in the appendix.

Table 7

Employment Status by Major Discipline for Master's Degree Recipients for All Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	20	6 (30.0)	5 (25.0)	-	1 (5.0)	-	2 (10.0)	6 (30.0)
Architecture and Environmental Design	16	9 (56.3)	2 (12.5)	1 (6.3)	1 (6.3)	-	2 (12.5)	1 (6.3)
Area Studies	5	1 (20.0)	-	-	-	1 (20.0)	-	3 (60.0)
Biological Sciences	118	37 (31.4)	25 (21.2)	5 (4.2)	1 (0.8)	6 (5.1)	3 (2.5)	41 (34.7)
Business and Management	696	425 (61.1)	160 (23.0)	19 (2.7)	14 (2.0)	11 (1.6)	28 (4.0)	39 (5.6)
Communications	36	16 (44.4)	15 (41.7)	2 (5.6)	-	1 (2.8)	-	2 (5.6)
Computer and Information Sciences	63	37 (58.7)	9 (14.3)	-	1 (1.6)	-	3 (4.8)	13 (20.6)
Education	1,530	983 (64.2)	181 (11.8)	155 (10.1)	41 (2.7)	52 (3.4)	63 (4.1)	55 (3.6)
Engineering	252	105 (41.7)	85 (33.7)	2 (0.8)	-	1 (0.4)	12 (4.8)	47 (18.7)
Fine and Applied Arts	52	23 (44.2)	13 (25.0)	3 (5.8)	1 (1.9)	6 (11.5)	4 (7.7)	2 (3.8)
Foreign Languages	20	4 (20.0)	7 (35.0)	1 (5.0)	-	4 (20.0)	1 (5.0)	3 (15.0)
Health Professions	121	83 (68.6)	27 (22.3)	1 (0.8)	-	2 (1.7)	4 (3.3)	4 (3.3)
Home Economics	11	2 (18.2)	1 (9.1)	-	-	-	2 (18.2)	6 (54.5)
Law	74	27 (36.5)	45 (60.8)	-	-	-	-	2 (2.7)
Letters	81	32 (39.5)	20 (24.7)	4 (4.9)	4 (4.9)	1 (1.2)	3 (3.7)	17 (21.0)
Library Science	46	25 (54.3)	2 (4.3)	2 (4.3)	1 (2.2)	2 (4.3)	14 (30.4)	-
Mathematics	42	15 (35.7)	10 (23.8)	-	2 (4.8)	1 (2.4)	3 (7.1)	11 (26.2)
Physical Sciences	99	41 (41.4)	22 (22.2)	2 (2.0)	2 (2.0)	1 (1.0)	3 (3.0)	28 (28.3)
Psychology	142	77 (54.2)	30 (21.1)	4 (2.8)	1 (0.7)	5 (3.5)	4 (2.8)	21 (14.8)
Public Affairs and Services	191	95 (49.7)	45 (23.6)	13 (6.8)	12 (6.3)	6 (3.1)	14 (7.3)	6 (3.1)
Social Sciences	100	33 (33.0)	29 (29.0)	12 (12.0)	3 (3.0)	2 (2.0)	4 (4.0)	17 (17.0)
Theology	27	25 (92.6)	-	-	-	-	-	2 (7.4)
Interdisciplinary Studies	38	21 (55.3)	7 (18.4)	4 (10.5)	1 (2.6)	-	2 (5.3)	3 (7.9)
GRAND TOTAL	3,780	2,122 (56.1)	740 (19.6)	230 (6.1)	86 (2.3)	102 (2.7)	171 (4.5)	329 (8.7)

Figures in parenthesis represent percentage values.

Full-Time Employment for Master's Degree Graduates

The relative success of master's graduates in obtaining full-time employment is indicated in Table 8. In this table graduates in each major discipline are ranked from high to low according to the proportion of master's graduates in each discipline with full-time employment. Table 8 also compares employment of master's graduates with bachelor's graduates of 1980.

Table 8

Full-Time Employment in 1980 for
Master's Versus Baccalaureate Graduates

Major Discipline	Percent		Major Discipline	Percent	
	Master's	Bachelor's		Master's	Bachelor's
Law	97.3	35.1	Engineering	76.2	89.0
Theology	92.6	63.6	Computer and Information Sci.	74.6	88.7
Communications	91.7*	71.7	Letters	74.0*	58.9
Health Professions	91.7	89.6	Physical Sciences	67.6*	46.0
Business and Management	88.8	77.7	Library Science	65.1	79.1
Education	88.8*	72.3	Mathematics	64.3	74.2
Interdisciplinary Studies	86.8	54.9	Foreign Languages	60.0	57.9
Public Affairs and Ser.	86.4	69.1	Agric. and Nat. Res.	60.0	69.2
Arch. and Envir. Des.	81.4	77.6	Biological Science	57.6*	38.2
Psychology	78.8*	54.9	Home Economics	27.3	75.8
Social Sciences	77.0*	55.5	Area Studies	20.0	48.7
Fine and Applied Arts	76.9*	60.2			

*These disciplines show increases over last year.

Master's Graduates Employed in Their Field of Preparation

Table 9 ranks the proportion of full-time master's graduates in each major discipline who were employed in their field of preparation in 1980. Comparable statistics for baccalaureate graduates are included.

Table 9

Percentage of Full-Time Employed Master's
Graduates Employed in Field of Preparation, 1980

Major Discipline	Percent		Major Discipline	Percent	
	Master's	Bachelor's		Master's	Bachelor's
Area Studies	100.0*	36.8	Agric. and Nat. Res.	91.7*	82.2
Home Economics	100.0	87.1	Foreign Languages	91.7*	41.4
Law	100.0	46.2	Biological Sci.	91.2*	69.9
Theology	100.0*	60.4	Fine and Applied Arts	90.0*	69.1
Health Professions	99.1*	98.3	Library Science	90.0*	73.6
Engineering	99.0*	97.2	Letters	86.7	51.6
Computer and Information Sci.	97.9*	97.2	Education	85.6	79.7
			Interdisciplinary Studies	84.8	57.4
Psychology	95.5*	54.6			
Business and Management	94.7	87.5	Public Affairs and Services	84.8	73.7
Physical Sciences	94.0	83.5			
Communications	93.9*	63.3	Ach. and Envir. Des.	84.6	94.0
Mathematics	92.6*	89.3	Social Sciences	80.5*	50.5

*These disciplines show increases over last year.

Master's Graduates Employed in Pennsylvania

Table 10 shows the percent of the full-time employed master's graduates in each major discipline who were employed in Pennsylvania in 1980. Comparable 1979 baccalaureate statistics are included in Table 10.

Table 10

Percentage of Full-Time Employed Master's Graduates Employed in Pennsylvania, 1980

Major Discipline	Percent		Major Discipline	Percent	
	Master's	Bachelor's		Master's	Bachelor's
Theology	100.0	65.6	Physical Science	64.2	53.8
Library Science	90.0*	90.6	Biological Science	61.8	70.6
Education	83.7	71.1	Letters	60.0	66.8
Computer and Inf. Sci.	78.7*	57.6	Social Sciences	58.4	65.8
Arch. and Envir. Des.	76.9*	55.4	Engineering	55.7*	44.9
Interdisciplinary Studies	75.8	67.0	Mathematics	55.6	60.3
Health Professions	75.7*	81.9	Communications	54.5	70.0
Psychology	72.3	73.6	Agric. and Nat. Res.	50.0	61.7
Business and Management	71.8*	70.0	Foreign Languages	41.7	64.2
Home Economics	66.7*	69.1	Law	37.5	23.1
Public Affairs and Ser.	65.5	73.6			
Fine and Applied Arts	65.0*	67.2			

*These disciplines show an increase over last year.

Master's Graduates Who Pursue Advanced Degrees

Table 11 shows the proportion of master's graduates pursuing advanced studies compared with bachelor's graduates for 1980.

Table 11

Master's Graduates Pursuing Advanced Degrees in 1980 Compared to Baccalaureate Graduates

Major Discipline	Percent		Major Discipline	Percent	
	Master's	Bachelor's		Master's	Bachelor's
Area Studies	60.0*	28.2	Interdisciplinary Studies	7.9	26.2
Home Economics	54.5*	10.5	Theology	7.4	32.5
Biological Sciences	34.7	49.8	Arch. and Envir. Des.	6.3	15.9
Agric. and Nat. Res.	30.0*	14.3	Business and Manage.	5.6*	7.5
Physical Sciences	28.3	44.8	Communications	5.6*	6.4
Mathematics	26.2	17.6	Fine and Applied Arts	3.8	16.6
Letters	21.0	24.8	Education	3.6	9.2
Computer and Info. Sci.	20.6	4.4	Health Professions	3.3	5.9
Engineering	18.7*	7.5	Public Affairs and Services	3.1*	10.3
Social Sciences	17.0	28.0	Law	2.7	62.2
Foreign Languages	15.0*	21.8	Library Science	0.0	10.4
Psychology	14.8	26.9			

*These disciplines show increases over last year.

Table 12

Employment Status by Major Discipline for Doctoral Degree Recipients for All Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	5	1 (20.0)	4 (80.0)	-	-	-	-	-
Architecture and Environmental Design	1	-	1 (100.0)	-	-	-	-	-
Biological Sciences	49	15 (30.6)	26 (53.1)	-	-	1 (2.0)	-	7 (14.3)
Business and Management	10	2 (20.0)	8 (80.0)	-	-	-	-	-
Communications	1	1 (100.0)	-	-	-	-	-	-
Computer and Information Sciences	5	2 (40.0)	3 (60.0)	-	-	-	-	-
Education	141	68 (48.2)	51 (36.2)	6 (4.3)	2 (1.4)	5 (3.5)	7 (5.0)	2 (1.4)
Engineering	38	10 (26.3)	27 (71.1)	-	1 (2.6)	-	-	-
Fine and Applied Arts	3	1 (33.3)	1 (33.3)	-	-	-	1 (33.3)	-
Foreign Languages	2	1 (50.0)	-	-	-	-	1 (50.0)	-
Health Professions	30	12 (40.0)	14 (46.7)	-	-	1 (3.3)	-	3 (10.0)
Home Economics	5	-	4 (80.0)	-	-	-	1 (20.0)	-
Letters	26	6 (23.1)	15 (57.7)	-	-	4 (15.4)	1 (3.8)	-
Mathematics	7	4 (57.1)	2 (28.6)	-	-	-	1 (14.3)	-
Physical Sciences	31	9 (29.0)	19 (61.3)	1 (3.2)	1 (3.2)	-	-	1 (3.2)
Psychology	19	6 (31.6)	12 (63.2)	-	-	1 (5.3)	-	-
Public Affairs and Services	4	1 (25.0)	3 (75.0)	-	-	-	-	-
Social Sciences	19	14 (73.7)	4 (21.1)	-	-	-	1 (5.3)	-
Interdisciplinary Studies	3	2 (66.7)	1 (33.3)	-	-	-	-	-
GRAND TOTAL	399	155 (38.8)	195 (48.9)	7 (1.7)	4 (1.0)	12 (3.0)	13 (3.3)	13 (3.3)

Figures in parenthesis represent percentage values.

RESULTS FOR DOCTORAL GRADUATES

A brief overview of the postgraduation status for doctoral graduates for 1977 through 1980 follows:

		Results for Doctoral Graduates				Full-Time Employed	
Year	Responding Graduates	Full Time	Part Time	Unemployed	Advanced Degree	Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1977	500	90.8	3.6	4.2	1.4	90.3	57.0
1978	449	88.8	3.3	4.0	3.8	89.0	54.6
1979	339	90.9	3.2	5.0	0.9	95.8	50.3
1980	399	90.4	3.0	3.3	3.3	97.0	44.9

Table 12 gives the postgraduation activities for persons receiving doctoral degrees from Pennsylvania institutions in 1980.

Full-Time Employment for Doctoral Graduates

Table 13 ranks each major discipline according to the percentage of doctoral graduates with full-time employment in 1980. Low return rates for several major disciplines may result in unduly high employment percentages in such areas. It is evident that doctoral graduates as a whole enjoy high rates of full-time employment.

Table 13

Full-Time Employment in 1980 for Doctoral
Versus Baccalaureate and Master's Graduates

Major	Percent		
Discipline	Doctoral	Master's	Bachelor's
Agriculture and Natural Resources	100.0	60.0	69.2
Architecture and Environmental Design	100.0	81.4	77.6
Business and Management	100.0	88.8	77.7
Communications	100.0	91.7	71.7
Computer and Information Sciences	100.0	74.6	88.7
Engineering	100.0	76.2	89.0
Interdisciplinary Studies	100.0	86.8	54.9
Public Affairs and Services	100.0	86.4	69.1
Physical Sciences	96.7	67.6	46.0
Psychology	94.8	78.8	54.9
Social Sciences	94.8	77.0	55.5
Education	90.1	88.8	72.3
Health Professions	86.7	91.7	89.6
Mathematics	85.7	64.3	74.2
Biological Science	83.7	57.6	38.2
Letters	80.8	74.0	58.9
Home Economics	80.0	27.3	75.8
Fine and Applied Arts	66.6	76.9	60.2
Foreign Languages	50.0	60.0	57.9

Doctoral Graduates Employed in Their Field of Preparation

Table 14 shows the high proportion of employed doctoral graduates working in their field of preparation. Examination of these proportions and ranks of graduates among the various disciplines reflects the high probability of doctoral degree recipients being employed in their field of preparation.

Table 14

Percentage of Full-Time Employed Doctoral Graduates Employed in Their Field of Preparation, 1980

Major Discipline	Percent Doctoral	 Master's	 Bachelor's
Agriculture and Natural Resources	100.0	91.7	82.2
Architecture and Environmental Design	100.0	84.6	94.0
Biological Science	100.0	91.2	69.9
Business and Management	100.0	94.7	87.5
Communications	100.0	93.9	63.3
Computer and Information Sciences	100.0	97.9	97.2
Fine and Applied Arts	100.0	90.0	69.1
Foreign Languages	100.0	91.7	41.4
Health Professions	100.0	99.1	98.3
Home Economics	100.0	100.0	87.1
Interdisciplinary Studies	100.0	84.8	57.4
Letters	100.0	86.7	51.6
Mathematics	100.0	92.6	89.3
Psychology	100.0	95.5	54.6
Public Affairs and Services	100.0	84.8	73.7
Social Sciences	100.0	80.5	50.5
Engineering	97.4	99.0	97.2
Education	93.7	85.6	79.7
Physical Sciences	93.3	94.0	83.5

Doctoral Graduates Employed in Pennsylvania

Table 15 shows the proportion of full-time employed doctoral graduates employed in Pennsylvania. The list in Table 15 shows that 50 percent or more of the doctoral-level graduates in seven of the 18 major disciplines listed find employment outside Pennsylvania.

Table 15

Percentage of Full-Time Employed Doctoral Graduates Employed in Pennsylvania, 1980

Major Discipline	Percent Doctoral	 Master's	 Bachelor's
Foreign Languages	100.0	41.7	64.2
Communication	100.0	54.5	70.0
Social Sciences	77.8	58.4	65.8
Interdisciplinary Studies	66.7	75.8	67.0
Mathematics	66.7	55.6	60.3
Education	58.3	83.7	71.1
Fine and Applied Arts	50.0	65.0	67.2
Health Professions	46.2	75.7	81.9
Computer and Information Services	40.0	78.7	57.6
Biological Sciences	36.6	61.8	70.6
Physical Sciences	33.3	64.2	53.8
Psychology	33.3	72.3	73.6
Letters	28.6	60.0	66.8
Engineering	26.3	55.7	44.9
Agriculture and Natural Resources	20.0	50.0	61.7
Public Affairs and Services	25.0	65.5	73.6
Business and Management	20.0	71.8	70.0

RESULTS FOR FIRST-PROFESSIONAL GRADUATES

Employment of first-professional degree graduates is high. Also, of those employed full time, most are employed in their field of preparation and the majority show initial employment inside Pennsylvania over the past four years.

		Results, First-Professional Graduates				Full-Time Employed	
Year	Responding Graduates	Full Time	Part Time	Un-employed	Advanced Degree	Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1977	2,645	91.9	0.5	2.2	5.4	96.4	57.1
1978	2,567	94.8	0.7	1.8	2.6	98.5	57.3
1979	2,290	95.1	1.3	1.5	2.1	98.8	60.0
1980	2,272	94.9	0.2	2.2	2.6	98.7	57.3

Table 16 (on page 17) gives the postgraduation status of 2,272 graduates of first-professional degree programs in Pennsylvania institutions.

Full-Time Employment for First-Professional Graduates

Table 17 ranks the major fields according to the percentage of first-professional graduates in each field with full-time employment and compares 1980 results with those for 1979.

Table 17

Percentage of First-Professional Degree Graduates with Full-Time Employment

Major	Percent		Rank	
Discipline	1979	1980	1979	1980
Osteopathy	100.0	100.0	1.5	1
Podiatry	100.0	100.0	1.5	2
Medicine (M.D.)	99.9	99.9	3	3
Optometry	85.9	95.2	5	4
Law	93.3	90.9	4	5
Dentistry	76.8	82.3	6	6

First-Professional Graduates Employed in Field of Preparation

Table 18 ranks each major discipline in terms of the percentage of fully employed graduates having employment in their professional specialty and compares the 1980 with the 1979 results.

Table 18

Percentage of Full-Time Employed First-Professional Graduates Employed in Their Field of Preparation

Major	Percent		Rank	
Discipline	1979	1980	1979	1980
Dentistry	88.4	100.0	6	2
Medicine	100.0	100.0	3	2
Osteopathy	100.0	100.0	3	2
Podiatry	100.0	100.0	3	2
Optometry	100.0	98.8	3	3
Law	99.1	95.5	5	4

Table 16

Employment Status by Major Discipline for First-Professional Degree Recipients for All Institutions in Pennsylvania, 1980

HEGIS Degree Field	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Dentistry (D.D.S. or D.M.D. Degree)	276	178 (64.5)	49 (17.8)	-	-	-	2 (0.7)	47 (17.0)
Medicine (M.D. Degree)	948	487 (51.4)	460 (48.5)	-	-	-	-	1 (0.1)
Optometry (O.D. Degree)	84	28 (33.3)	51 (60.7)	-	1 (1.2)	2 (2.4)	1 (1.2)	1 (1.2)
Osteopathic Medicine (D.O. Degree)	202	119 (58.9)	83 (41.1)	-	-	-	-	-
Podiatry (Pod.D., D.P.) or Podiatric Medicine (D.P.M.) (Include Chiropody)	105	48 (45.7)	57 (54.3)	-	-	-	-	-
Law, General (LL.B. or J.D. Degree)	657	351 (53.4)	219 (33.3)	26 (4.0)	1 (0.2)	2 (0.3)	48 (7.3)	10 (1.5)
GRAND TOTAL	2,272	1,211 (53.3)	919 (40.4)	26 (1.1)	2 (0.09)	4 (0.2)	51 (2.2)	59 (2.6)

Figures in parenthesis represent percentage values.

First-Professional Graduates Employed in Pennsylvania

Table 19 compares the percentage of fully employed first-professional graduates employed in Pennsylvania shortly after their graduation both in 1979 and 1980.

Table 19

Percentage of Full-Time Employed First-Professional
Degree Graduates Employed in Pennsylvania

Major Discipline	Percent 1979	Percent 1980	Rank 1979	Rank 1980
Dentistry	61.0	78.4	3	1
Law	65.5	63.1	2	2
Osteopathy	71.4	58.9	1	3
Medicine (M.D.)	46.8	51.4	4	4
Podiatry	44.7	45.7	5	5
Optometry	43.6	35.0	6	6

First-Professional Graduates Who Pursue Advanced Degrees

As noted in Table 16, first-professional graduates in the following major disciplines and percentages pursued advanced degrees shortly after being graduated in 1980: dentistry, 17,0; optometry, 1.2; and medicine (M.D.), 0.1.

RESULTS FOR ASSOCIATE DEGREE GRADUATES

The postgraduation activities results given in Table 20 represent 8,853 associate degree graduates from all types of Pennsylvania institutions in 1980. Highlighted below is the postgraduation status of associate degree graduates for 1977 through 1980.

		Results for Associate Graduates				Full-Time Employed	
Year	Responding Graduates	Full Time	Part Time	Unemployed	Advanced Degree	Employed in Field Prepared	Employed in Pa.
-		%	%	%	%	%	%
1977	8,589	63.0	4.5	4.9	27.6	87.2	84.2
1978	9,128	68.5	3.5	6.1	21.9	85.7	86.9
1979	8,860	71.7	2.2	4.2	21.9	87.0	84.6
1980	8,853	68.1	3.8	5.9	22.1	87.9	87.4

Full-Time Employment for Associate Degree Graduates

In Table 21 the employment success of associate degree graduates in 1980 in each major discipline is ranked from high to low.

Table 20

Employment Status by Major Discipline for Associate Degree Recipients for All Institutions in Pennsylvania, 1980

HEGIS Degree Field	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part-Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Data Processing Technologies	594	350 (58.9)	74 (12.5)	37 (6.2)	1 (0.2)	9 (1.5)	69 (11.6)	54 (9.1)
Health Services and Para-Medical Technologies	1,672	1,199 (71.7)	118 (7.1)	38 (2.3)	4 (0.2)	108 (6.5)	60 (3.6)	145 (8.7)
Mechanical and Engineering Technologies	1,619	848 (52.4)	283 (17.5)	136 (8.4)	10 (0.6)	21 (1.3)	89 (5.5)	232 (14.3)
Natural Sciences Technologies	221	99 (44.8)	15 (6.8)	27 (12.2)	6 (2.7)	13 (5.9)	20 (9.0)	41 (18.6)
Business and Commerce Technologies	2,609	1,634 (62.6)	185 (7.1)	217 (8.3)	18 (0.7)	75 (2.9)	173 (6.6)	307 (11.8)
Public Service-Related Technologies	477	216 (45.3)	13 (2.7)	55 (11.5)	4 (0.8)	38 (8.0)	35 (7.3)	116 (24.3)
Arts and Science Transfers	1,661	257 (15.5)	13 (0.8)	165 (9.9)	13 (0.8)	76 (4.6)	72 (4.3)	1,065 (64.1)
GRAND TOTAL	8,853	4,603 (52.0)	701 (7.9)	675 (7.6)	56 (0.6)	340 (3.8)	518 (5.9)	1,960 (22.1)

Figures in parenthesis represent percentage values.

Table 21

Percentage of Associate Degree Graduates with Full-Time Employment

Major Discipline	Percent 1979	Percent 1980	Rank 1979	Rank 1980
Health Services and Para-Medical Technologies	83.8	81.3	3	1
Mechanical and Engineering Technologies	86.1	78.9	2	2
Business and Commerce Technologies	72.9	78.7	5	3.5
Data Processing Technologies	86.6	78.7	1	3.5
Natural Science Technologies	75.2	66.5	4	5
Public Service Related Technologies	60.0	60.3	6	6
Arts and Science Transfers	37.6	27.0	7	7

Percentage Changes in Full-Time Employment, Associate Level, 1979-1980

	Percent Increase
Business and Commerce Tech.	5.8
Public Service Related Tech.	0.3

	Percent Decrease
Arts and Science Transfers	10.6
Natural Science Tech.	8.7
Data Processing Tech.	7.9
Mechanical and Eng. Tech.	7.2
Health Service and Para-Med. Tech.	2.5

Associate Degree Graduates Employed in Their Field of Preparation

Of graduates with full-time employment, Table 22 gives the percentage having full-time employment in their fields of preparation after graduation in 1979 and 1980.

Table 22

Percentage of Full-Time Employed Associate Degree Graduates Employed in Their Field of Preparation

Major Discipline	Percent 1979	Percent 1980	Rank 1979	Rank 1980
Health Service and Para-Medical Technologies	96.7	96.9	1	1
Data Processing Technologies	94.9	91.8	2	2
Business and Commerce Technologies	89.1	88.6	4	3.5
Mechanical and Engineering Technologies	92.3	88.6	3	3.5
Public Service Related Technologies	73.4	79.5	6	5
Natural Science Technologies	76.4	77.6	5	6
Arts and Science Transfers	48.1	60.3	7	7

Increases and decreases in associate level graduates' employment in their fields of preparation between 1979 and 1980 are as follows:

Percentage Change in Employment in Field of Preparation, 1979-1980

	Percent Increase		Percent Decrease
Arts and Science Transfers	12.2	Mechanical and Engineering Tech.	3.7
Public Service Related Tech.	6.1	Data Processing Tech.	3.1
Natural Science Tech.	1.2	Business and Commerce Tech.	0.5
Health Service and Para-Med Tech.	0.2		

Associate Degree Graduates Employed in Pennsylvania

Table 23 represents the percentage and ranks of all employed associate degree graduates employed in Pennsylvania in 1979 and 1980. This tables shows declines in employment in Pennsylvania for graduates in all major disciplines except arts and science transfers and graduates in mechanical and engineering technologies.

Table 23

Percentage of Full-Time Employed Associate
Degree Graduates Employed in Pennsylvania

Major Discipline	Percent 1979	Percent 1980	Rank 1979	Rank 1980
Arts and Science Transfers	93.0	94.2	3	1
Public Service Related Technologies	97.0	94.1	1	2
Health Services and Para-Medical Technologies	94.5	91.0	2	3
Business and Commerce Technologies	91.6	90.1	4	4
Natural Science Technologies	89.4	85.7	5	5
Data Processing Technologies	88.0	83.8	6	6
Mechanical and Engineering Technologies	67.0	77.1	7	7

The list below shows the changes in the percentage of associate degree graduates employed in Pennsylvania over the one-year period between 1979 and 1980.

Changes in Associate Level Employment in Pennsylvania, 1979-1980

	Percent Increase		Percent Decrease
Mechanical and Engineering Tech.	10.1	Data Processing Tech.	4.2
Arts and Science Transfers	1.2	Natural Science Tech.	3.7
		Health Services and Para-Med. Tech.	3.5
		Public Service Related Tech.	2.9
		Business and Commerce Tech.	1.5

Associate Degree Graduates Pursuing Advanced Degrees

Table 24 ranks the percentage of associate degree graduates who in 1979 and 1980 pursued advanced degrees.

Table 24

Percentage of Associate Degree Graduates Pursuing Advanced Degrees, Ranked by Major Disciplines, 1980

Major Discipline	Percent 1979	Percent 1980	Rank 1979	Rank 1980
Arts and Science Transfers	56.5	64.1	1	1
Public Service-Related Technology	30.3	24.3	2	2
Natural Science Technology	11.2	18.6	4	3
Mechanical and Engineering Technologies	10.3	14.3	5	4
Business and Commerce Technologies	20.0	11.8	3	5
Data Processing Technology	5.5	9.1	7	6
Health Service and Para-Medical Technologies	9.3	8.7	6	7

Listed below are the changes in the percentage of associate degree graduates pursuing advanced degrees shortly after their graduation in 1979 and 1980.

Changes in Associate Graduates Pursuing Advanced Degree, 1979-1980

	Percent Increase		Percent Decrease
Arts and Service Transfers	7.6	Business and Commerce Tech.	8.2
Natural Science Technology	7.4	Public Service Related Tech.	6.0
Mechanical and Engineering Tech.	4.0	Health Service and Para-Med. Tech.	0.6
Data Processing Tech.	3.6		

DISCUSSION

1. Full-time employment increased 0.8 percent for bachelor's graduates in 1980 over 1979. Employment decreases averaging 0.2 percent occurred for Pennsylvania graduates at all five degree levels in 1980.

2. An average of 84.1 percent of full-time employed respondents of all degree levels in 1980 were reported as being employed in their fields of preparation.

3. In 1980 an average of 70.3 percent of all full-time employed respondents reported being employed in Pennsylvania. This figure was 70.1 percent in 1979.

   The relatively higher percentage of associate, bachelor's and master's graduates employed in Pennsylvania is due to their degrees having a higher regional demand in contrast to doctoral and first-professional level graduates, who tend to go where internships in their specialties are available, or where there is a high demand for their professional specialty—which may be in the national or international market.

4. This study shows that at the master's, doctoral and first-professional degree levels the proportion of graduates with full-time employment ranges from 84 to 95 percent. This refutes the conventional wisdom that large numbers of such graduates are unemployed.

5. When the major disciplines are ranked according to the percentage of bachelor's graduates in each major discipline with full-time employment, the top 12 disciplines which rank high for employment rank low for those pursuing advanced degrees. These 12 disciplines tend to prepare students for bachelor's degree entry level jobs. Conversely, the 11 remaining disciplines, which rank low for initial employment and high for those pursuing advanced degrees, include some occupations for which master's or higher degrees are considered necessary. The net effect is that both groups averaged the same unemployment rate over the past six years.

   Several questions are raised by the fact that the major disciplines ranking low for initial employment rank high in the proportion of graduates pursuing advanced degrees: (1) What percentage of these graduates are pursuing additional degree requirements needed to advance their professional preparation? (2) What percentage may be retreating from a sluggish job market in their fields? (3) Do the graduates have sufficient skills in seeking employment? (4) Do they institute their search for employment sufficiently early?

6. This report indicates Pennsylvania's higher education programs are generally relevant to postgraduation pursuits in a broad spectrum of occupations.

APPENDIX

The tables in the appendix supplement those in the text. The 25.0 table series give the survey response data for graduates in each major discipline, degree level and category of institution. Table series 26.0 through 29.0 give postgraduation employment status data for graduates in each major discipline, degree level and institutional type. Postgraduation information is given by degree field and institutional category for bachelor's, master's, doctoral and associate degree graduates in series 30.0 through 33.0

Table 25.0

Number of Returns Received from Four-Degree Levels of Graduates Compared with the Number of Graduates for All Institutions by Major Discipline, 1980

	All Degrees		Bachelor's		Master's		Doctoral		First Prof.	
Major Discipline	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns
Agriculture and Natural Resources	1,069	698 (65.3)	996	673 (67.6)	54	20 (37.0)	19	5 (26.3)	-	-
Architecture and Environmental Design	483	124 (25.7)	276	107 (38.8)	193	16 (8.3)	14	1 (7.1)	-	-
Area Studies	165	44 (26.7)	124	39 (31.5)	25	5 (20.0)	16	-	-	-
Biological Sciences	3,501	2,080 (59.4)	3,055	1,913 (62.6)	293	118 (40.3)	153	49 (32.0)	-	-
Business and Management	14,196	7,767 (54.7)	11,466	7,061 (61.6)	2,670	696 (26.1)	60	10 (16.7)	-	-
Communications	1,408	740 (52.6)	1,321	703 (53.2)	82	36 (43.9)	5	1 (20.0)	-	-
Computer and Information Sciences	962	634 (65.9)	698	566 (81.1)	248	63 (25.4)	16	5 (31.3)	-	-
Education	11,851	6,703 (56.6)	6,927	5,032 (72.4)	4,452	1,530 (34.4)	472	141 (29.9)	-	-
Engineering	5,337	3,455 (64.7)	4,376	3,165 (72.3)	827	252 (30.5)	134	38 (28.4)	-	-
Fine and Applied Arts	2,314	1,012 (43.7)	2,010	957 (47.6)	277	52 (18.8)	27	3 (11.1)	-	-
Foreign Languages	794	393 (49.5)	676	371 (54.9)	100	20 (20.0)	18	2 (11.1)	-	-
Health Professions	6,496	4,196 (64.6)	3,602	2,430 (67.5)	719	121 (16.8)	71	30 (42.3)	2,104	1,615 (76.8)
Home Economics	1,091	661 (60.6)	1,015	645 (63.5)	61	11 (18.0)	15	5 (33.3)	-	-
Law	1,359	768 (56.5)	22	37 (168.2)**	77	74 (96.1)	-	-	1,260	657 (52.1)
Letters	3,316	1,279 (38.6)	2,827	1,172 (41.5)	356	81 (22.8)	133	26 (19.5)	-	-
Library Science	357	113 (31.7)	29	67 (231.0)	319	46 (14.4)	9	-	-	-
Mathematics	940	589 (62.7)	796	540 (67.8)	117	42 (35.9)	27	7 (25.9)	-	-
Physical Sciences	2,218	1,185 (53.4)	1,785	1,055 (59.1)	279	99 (35.5)	154	31 (20.1)	-	-
Psychology	2,804	1,483 (52.9)	2,414	1,322 (54.8)	319	142 (44.5)	71	19 (26.8)	-	-
Public Affairs and Services	3,828	1,854 (48.4)	2,761	1,659 (60.1)	1,020	191 (18.7)	47	4 (8.5)	-	-
Social Sciences	6,864	2,931 (42.7)	6,312	2,812 (44.6)	400	100 (25.0)	152	19 (12.5)	-	-
Theology	464	178 (38.4)	347	151 (43.5)	77	27 (35.1)	-	-	40	-
Interdisciplinary Studies	1,449	422 (29.1)	1,286	381 (29.6)	153	38 (24.8)	10	3 (30.0)	-	-
GRAND TOTAL	73,266	39,309 (53.7)	55,121	32,858 (59.6)	13,118	3,780 (28.8)	1,623	399 (24.6)	3,404	2,272 (66.7)

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*Does not include graduates of theological seminaries which were not included in this survey.

**More than 100 percent response indicates a lack of clarity of some respondents as to the exact HEGIS field in which they were graduated.

Figures in parenthesis represent percentage values.

Table 25.1

Number of Returns Received from Graduates at Four-Degree Levels as Compared with the Number of Graduates for All Institutions Within Institutional Category in Pennsylvania, 1980

Institutional Category	All Degrees		Bachelor's		Master's		Doctoral		First Prof.	
	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns
State Colleges & University	15,038	10,235 (68.1)	12,651	8,991 (71.1)	2,369	1,232 (52.0)	18	12 (66.7)	—	—
State-Related	22,138	10,092 (45.6)	15,290	7,488 (49.0)	4,646	1,353 (29.1)	1,019	253 (24.8)	1,183	998 (84.4)
State-Aided	8,967	2,711 (30.2)	4,677	1,454 (31.1)	2,310	101 (04.4)	378	38 (10.1)	1,602	1,118 (69.8)
Private Colleges & Universities	27,123	16,271 (60.0)	22,503	14,925 (66.3)	3,793	1,094 (28.8)	208	96 (46.2)	619	156 (25.2)
GRAND TOTAL	73.266	39,309 (53.7)	55,121	32,858 (59.6)	13,118	3,780 (28.8)	1,623	399 (24.6)	3,404	2,272 (66.7)

Figures in parenthesis represent percentage values.

Table 25.2

Number of Returns Received for Associate Degree Graduates Compared with the Number of Graduates for All Such Institutions by Major Discipline, 1980

Major Discipline	Associate Degrees Awarded in Pennsylvania, 1980	Number of Returns	Percent of Returns
Data Processing Technologies	1,180	594	50.3
Health Services and Para-Medical Technologies	2,334	1,672	71.6
Mechanical & Engineering Technologies	2,913	1,619	55.6
Natural Sciences Technologies	429	221	51.5
Business & Commerce Technologies	5,522	2,609	47.2
Public Service-Related Technologies	1,009	477	47.3
Arts and Science Transfers	3,720	1,661	44.7
GRAND TOTAL	17,107*	8,853	51.8

*Total includes 1,635 private junior college graduates not part of this study. Also 54.6 percent of the associate degrees are based on work not wholly or chiefly creditable toward a bachelor's degree.

Table 25.3

Number of Returns Received for Associate Degree Graduates Compared with the Number of Graduates for All Such Institutions by Institutional Category, 1980

Major Discipline	Associate Degree Awarded in Pennsylvania, 1980	Number of Returns	Percent of Returns
Community Colleges	7,905	4,926	62.3
Colleges & Universities	4,828	1,807	37.4
Proprietary Institutions	4,374	2,120	48.5
GRAND TOTAL	17,107*	8,853	51.8

*Contains 1,635 private junior college graduates not part of study; actual percent of return for college and universities is 57.2.

Table 26.0

Employment Status by Major Discipline for Baccalaureate Degree Recipients in the State Colleges and University in Pennsylvania, 1980

		Employed in Field Prepared		Employed in Other Field				
Major Discipline	Total Reported	In Pa.	Outside Pa.	In Pa.	Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	20	3 (15.0)	6 (30.0)	3 (15.0)	3 (15.0)	-	3 (15.0)	2 (10.0)
Architecture and Environmental Design	6	4 (66.7)	1 (16.7)	-	-	-	-	1 (16.7)
Area Studies	3	1 (33.3)	-	-	1 (33.3)	-	-	1 (33.3)
Biological Sciences	306	80 (26.1)	19 (6.2)	41 (13.4)	7 (2.3)	16 (5.2)	36 (11.8)	107 (35.0)
Business and Management	1,661	836 (50.3)	259 (15.6)	123 (7.4)	36 (2.2)	49 (3.0)	287 (17.3)	71 (4.3)
Communications	191	74 (38.7)	27 (14.1)	35 (18.3)	5 (2.6)	13 (6.8)	27 (14.1)	10 (5.2)
Computer and Information Sciences	202	108 (53.5)	55 (27.2)	6 (3.0)	3 (1.5)	-	18 (8.9)	12 (5.9)
Education	3,287	1,321 (40.2)	606 (18.4)	376 (11.4)	89 (2.7)	335 (10.2)	256 (7.8)	304 (9.2)
Engineering	9	2 (22.2)	5 (55.6)	1 (11.1)	-	-	1 (11.1)	-
Fine and Applied Arts	266	78 (29.3)	30 (11.3)	56 (21.1)	9 (3.4)	22 (8.3)	32 (12.0)	39 (14.7)
Foreign Languages	93	18 (19.4)	9 (9.7)	27 (29.0)	6 (6.5)	2 (2.2)	18 (19.4)	13 (14.0)
Health Professions	438	325 (74.2)	57 (13.0)	13 (3.0)	-	16 (3.7)	6 (1.4)	21 (4.8)
Home Economics	214	123 (57.5)	41 (19.2)	6 (2.8)	-	-	22 (10.3)	22 (10.3)
Interdisciplinary Studies	79	19 (24.1)	14 (17.7)	10 (12.7)	2 (2.5)	4	17 (21.5)	13 (16.5)
Letters	242	70 (28.9)	33 (13.6)	65 (26.9)	12 (5.0)	2 (0.8)	29 (12.0)	31 (12.8)
Library Science	58	32 (55.2)	3 (5.2)	11 (19.0)	-	2 (3.4)	4 (6.0)	6 (10.3)
Mathematics	111	46 (41.4)	30 (27.0)	10 (9.0)	3 (2.7)	1 (0.9)	9 (8.1)	12 (10.8)
Physical Sciences	153	50 (32.7)	30 (19.6)	13 (8.5)	4 (2.6)	2 (1.3)	18 (11.8)	36 (23.5)
Psychology	322	80 (24.8)	24 (7.5)	77 (23.9)	10 (3.1)	20 (6.2)	41 (12.7)	70 (21.7)
Public Affairs and Services	745	299 (40.1)	124 (16.6)	91 (12.2)	26 (3.5)	33 (4.4)	119 (16.0)	53 (7.1)
Social Sciences	585	158 (27.0)	60 (10.3)	131 (22.4)	26 (4.4)	25 (4.3)	80 (13.7)	105 (17.9)
GRAND TOTAL	8,991	3,727 (41.5)	1,433 (15.9)	1,095 (12.2)	242 (2.7)	542 (11.4)	1,023 (11.4)	929 (10.3)

Figures in parenthesis represent percentage values

Table 26.1

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Related Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	437	137 (31.4)	61 (14.0)	52 (11.9)	19 (4.3)	24 (5.5)	74 (16.9)	70 (16.0)
Architecture and Environmental Design	55	20 (36.4)	18 (32.7)	2 (3.6)	1 (1.8)	1 (1.8)	3 (5.5)	10 (18.2)
Area Studies	10	2 (20.0)	1 (10.0)	2 (20.0)	-	3 (30.0)	1 (10.0)	1 (10.0)
Biological Sciences	337	84 (24.9)	21 (6.2)	34 (10.1)	13 (3.9)	11 (3.3)	37 (11.0)	137 (40.7)
Business and Management	1,354	581 (42.9)	261 (19.3)	175 (12.9)	38 (2.8)	44 (3.2)	172 (12.7)	83 (6.1)
Communications	254	75 (29.5)	33 (13.0)	48 (18.9)	14 (5.5)	24 (9.4)	45 (17.7)	15 (5.9)
Computer and Information Sciences	182	73 (40.1)	84 (46.2)	-	1 (0.5)	2 (1.1)	12 (6.6)	10 (5.5)
Education	646	266 (41.2)	57 (8.8)	59 (9.1)	22 (3.4)	104 (16.1)	63 (9.8)	75 (11.6)
Engineering	1,392	579 (41.6)	604 (43.4)	24 (1.7)	16 (1.1)	2 (0.1)	71 (5.1)	96 (6.9)
Fine and Applied Arts	112	15 (13.4)	11 (9.8)	12 (10.7)	7 (6.3)	23 (20.5)	26 (23.2)	18 (16.1)
Foreign Languages	68	6 (8.8)	8 (11.8)	17 (25.0)	4 (5.9)	3 (4.4)	15 (22.1)	15 (22.1)
Health Professions	431	300 (69.6)	53 (12.3)	10 (2.3)	4 (0.9)	7 (1.6)	34 (7.9)	23 (5.3)
Home Economics	269	102 (37.9)	50 (18.6)	25 (9.3)	14 (5.2)	20 (7.4)	29 (10.8)	29 (10.8)
Interdisciplinary Studies	116	22 (19.0)	14 (12.1)	13 (11.2)	8 (6.9)	8 (6.9)	18 (15.5)	33 (28.4)
Letters	267	55 (20.6)	12 (4.5)	51 (19.1)	13 (4.9)	19 (7.1)	52 (19.5)	65 (24.3)
Mathematics	69	27 (39.1)	14 (20.3)	4 (5.8)	2 (2.9)	1 (1.4)	9 (13.0)	12 (17.4)
Physical Sciences	316	57 (18.0)	67 (21.2)	12 (3.8)	15 (4.7)	5 (1.6)	41 (13.0)	119 (37.7)
Psychology	224	42 (18.8)	7 (3.1)	40 (17.9)	14 (6.3)	9 (4.0)	49 (21.9)	63 (28.1)
Public Affairs and Services	405	137 (33.8)	37 (9.1)	60 (14.8)	23 (5.7)	29 (7.2)	72 (17.8)	47 (11.7)
Social Sciences	544	89 (16.4)	33 (6.1)	90 (16.5)	32 (5.9)	28 (5.1)	122 (22.4)	150 (27.6)
GRAND TOTAL	7,488	2,669 (35.6)	1,446 (19.3)	730 (9.7)	260 (3.5)	367 (4.9)	945 (12.6)	1,071 (14.3)

Figures in parenthesis represent percentage values.

Table 26.2

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Aided Institutions in Pennsylvania, 1980

		Employed in Field Prepared		Employed in Other Field				
Major Discipline	Total Reported	In Pa.	Outside Pa.	In Pa.	Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	211	90 (42.7)	85 (40.3)	2 (0.9)	4 (1.9)	7 (3.3)	4 (1.9)	19 (9.0)
Architecture and Environmental Design	4	3 (75.0)	-	-	-	-	-	1 (25.0)
Biological Sciences	44	17 (38.6)	6 (13.6)	2 (4.5)	3 (6.8)	1 (2.3)	-	15 (34.1)
Business and Management	452	258 (57.1)	122 (27.0)	21 (4.6)	14 (3.1)	3 (0.7)	5 (1.1)	29 (6.4)
Communications	2	2 (100.0)	-	-	-	-	-	-
Computer and Information Sciences	29	12 (41.4)	17 (58.6)	-	-	-	-	-
Engineering	353	165 (46.7)	183 (51.8)	2 (0.6)	-	-	-	3 (0.8)
Fine and Applied Arts	147	75 (51.0)	28 (19.0)	7 (4.8)	2 (1.4)	10 (6.8)	10 (6.8)	15 (10.2)
Health Professions	144	114 (79.2)	21 (14.6)	-	-	2 (1.4)	1 (0.7)	6 (4.2)
Home Economics	46	28 (60.9)	12 (26.1)	1 (2.2)	3 (6.5)	-	-	2 (4.3)
Mathematics	4	3 (75.0)	1 (25.0)	-	-	-	-	-
Physical Sciences	16	7 (43.8)	6 (37.5)	-	-	-	-	3 (18.8)
Social Sciences	2	2 (100.0)	-	-	-	-	-	-
GRAND TOTAL	1,454	776 (53.3)	481 (33.1)	35 (2.4)	26 (1.8)	23 (1.6)	20 (1.4)	93 (6.4)

Figures in parenthesis represent percentage values.

Table 26.3

Employment Status by Major Discipline for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	5	-	-	-	-	-	-	5 (100.0)
Architecture and Environmental Design	42	16 (38.1)	16 (38.1)	1 (2.4)	1 (2.4)	-	3 (7.1)	5 (11.9)
Area Studies	26	2 (7.7)	1 (3.8)	6 (23.1)	3 (11.5)	1 (3.8)	4 (15.4)	9 (34.6)
Biological Sciences	1,226	192 (15.7)	92 (7.5)	66 (5.4)	54 (4.4)	21 (1.7)	108 (8.8)	693 (56.5)
Business and Management	3,594	1,683 (46.8)	798 (22.2)	162 (4.5)	114 (3.2)	84 (2.3)	409 (11.4)	344 (9.6)
Communications	256	66 (25.8)	39 (15.2)	49 (19.1)	32 (12.5)	10 (3.9)	40 (15.6)	20 (7.8)
Computer and Information Sciences	153	87 (56.9)	52 (34.0)	3 (2.0)	1 (0.7)	-	7 (4.6)	3 (2.0)
Education	1,099	431 (39.2)	223 (20.3)	136 (12.4)	57 (5.2)	73 (6.6)	93 (8.5)	86 (7.8)
Engineering	1,411	485 (34.4)	715 (50.7)	7 (0.5)	28 (2.0)	-	39 (2.8)	137 (9.7)
Fine and Applied Arts	432	95 (22.0)	66 (15.3)	49 (11.3)	36 (8.3)	21 (4.9)	78 (18.1)	87 (20.1)
Foreign Languages	210	27 (12.9)	21 (10.0)	43 (20.5)	29 (13.8)	9 (4.3)	28 (13.3)	53 (25.2)
Health Professions	1,417	1,015 (71.6)	254 (17.9)	6 (0.4)	5 (0.4)	19 (1.3)	25 (1.8)	93 (6.6)
Home Economics	116	40 (34.5)	30 (25.9)	13 (11.2)	1 (0.9)	12 (10.3)	5 (4.3)	15 (12.9)
Interdisciplinary Studies	186	42 (22.6)	9 (4.8)	34 (18.3)	22 (11.8)	9 (4.8)	16 (8.6)	54 (29.0)
Law	37	3 (8.1)	3 (8.1)	-	7 (18.9)	-	1 (2.7)	23 (62.2)
Letters	663	113 (17.0)	73 (11.0)	107 (16.1)	86 (13.0)	15 (2.3)	74 (11.2)	195 (29.4)
Library Science	9	2 (22.2)	2 (22.2)	3 (33.3)	-	1 (11.1)	-	1 (11.1)
Mathematics	356	135 (37.9)	102 (28.7)	17 (4.8)	7 (2.0)	5 (1.4)	19 (5.3)	71 (19.9)
Physical Sciences	570	105 (18.4)	83 (14.6)	17 (3.0)	19 (3.3)	9 (1.6)	22 (3.9)	315 (55.3)
Psychology	776	180 (23.2)	64 (8.2)	112 (14.4)	77 (9.9)	37 (4.8)	83 (10.7)	223 (28.7)
Public Affairs and Services	509	187 (36.7)	61 (12.0)	70 (13.8)	30 (6.1)	9 (1.8)	80 (15.7)	71 (13.9)
Social Sciences	1,681	272 (16.2)	175 (10.4)	286 (17.0)	209 (12.4)	47 (2.8)	161 (9.6)	531 (31.6)
Theology	151	34 (22.5)	24 (15.9)	29 (19.2)	9 (6.0)	2 (1.3)	4 (2.6)	49 (32.5)
GRAND TOTAL	14,925	5,212 (34.9)	2,903 (19.5)	1,216 (8.1)	828 (5.5)	384 (2.6)	1,299 (8.7)	3,083 (20.7)

Figures in parenthesis represent percentage values.

Table 27.0

Employment Status by Major Discipline for Master's Degree Recipients for the State Colleges and University in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degrees
Biological Sciences	20	10 (50.0)	2 (10.0)	3 (15.0)	-	1 (5.0)	-	4 (20.0)
Business and Management	66	37 (56.1)	11 (16.7)	5 (7.6)	2 (3.0)	1 (1.5)	6 (9.1)	4 (6.1)
Communications	29	14 (48.3)	12 (41.4)	2 (6.9)	-	-	-	1 (3.4)
Education	879	561 (63.8)	85 (9.7)	124 (14.1)	24 (2.7)	25 (2.8)	43 (4.9)	17 (1.9)
Fine and Applied Arts	18	7 (38.9)	6 (33.3)	1 (5.6)	-	-	3 (16.7)	1 (5.6)
Foreign Languages	7	4 (57.1)	1 (14.3)	-	-	2 (28.6)	-	-
Health Professions	26	17 (65.4)	5 (19.2)	1 (3.8)	-	2 (7.7)	-	1 (3.8)
Interdisciplinary Studies	11	4 (36.4)	4 (36.4)	1 (9.1)	1 (9.1)	-	1 (9.1)	-
Letters	30	10 (33.3)	13 (43.3)	3 (10.0)	-	-	2 (6.7)	2 (6.7)
Library Science	14	4 (28.6)	2 (14.3)	2 (14.3)	1 (7.1)	2 (14.3)	3 (21.4)	-
Mathematics	10	6 (60.0)	4 (40.0)	-	-	-	-	-
Physical Sciences	17	7 (41.2)	2 (11.8)	2 (11.8)	1 (5.9)	-	3 (17.6)	2 (11.8)
Psychology	34	22 (64.7)	5 (14.7)	3 (8.8)	1 (2.9)	-	-	3 (8.8)
Public Affairs and Services	23	4 (17.4)	6 (26.1)	1 (4.3)	11 (47.8)	-	1 (4.3)	-
Social Sciences	48	11 (22.9)	20 (41.7)	9 (18.8)	2 (4.2)	-	3 (6.3)	3 (6.3)
GRAND TOTAL	1,232	718 (58.3)	178 (14.4)	157 (12.7)	43 (3.5)	33 (2.6)	65 (5.3)	38 (3.1)

Figures in parenthesis represent percentage values.

Table 27.1

Employment Status by Major Discipline for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1980

		Employed in Field Prepared		Employed in Other Field				
Major Discipline	Total Reported	In Pa.	Outside Pa.	In Pa.	Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	20	6 (30.0)	5 (25.0)	-	1 (5.0)	-	2 (10.0)	6 (30.0)
Architecture and Environmental Design	10	4 (40.0)	1 (10.0)	1 (10.0)	1 (10.0)	-	2 (20.0)	1 (10.0)
Area Studies	3	1 (33.3)	-	-	-	1 (33.3)	-	1 (33.3)
Biological Sciences	43	7 (16.5)	10 (23.3)	2 (4.7)	-	-	3 (7.0)	21 (48.8)
Business and Management	302	236 (78.1)	33 (10.9)	11 (3.6)	1 (0.3)	2 (0.7)	11 (3.6)	8 (2.6)
Communications	7	2 (28.6)	3 (42.9)	-	-	1 (14.3)	-	1 (14.3)
Computer and Information Sciences	54	36 (66.7)	8 (14.8)	-	1 (1.9)	-	3 (5.6)	6 (11.1)
Education	377	243 (64.5)	51 (13.5)	17 (4.5)	5 (1.3)	24 (6.4)	18 (4.8)	19 (5.0)
Engineering	129	65 (50.4)	28 (21.7)	2 (1.6)	-	1 (0.8)	11 (8.5)	22 (17.1)
Fine and Applied Arts	22	9 (40.9)	2 (9.1)	2 (9.1)	1 (4.5)	6 (27.3)	1 (4.5)	1 (4.5)
Foreign Languages	10	-	3 (30.0)	1 (10.0)	-	2 (20.0)	1 (10.0)	3 (30.0)
Health Professions	24	13 (54.3)	8 (33.3)	-	-	-	1 (4.2)	2 (8.3)
Home Economics	11	2 (18.2)	1 (9.1)	-	-	-	2 (18.2)	6 (54.5)
Interdisciplinary Studies	27	17 (63.0)	3 (11.1)	3 (11.1)	-	-	1 (3.7)	3 (11.1)
Law	2	-	-	-	-	-	-	2 (100.0)
Letters	19	4 (21.1)	1 (5.3)	1 (5.3)	1 (5.3)	-	1 (5.3)	11 (57.9)
Library Science	29	18 (62.1)	-	-	-	-	11 (37.9)	-
Mathematics	18	6 (33.3)	3 (16.7)	-	2 (11.1)	1 (5.6)	3 (16.7)	3 (16.7)
Physical Sciences	50	22 (44.4)	11 (22.0)	-	1 (2.0)	-	-	16 (32.0)
Psychology	37	13 (35.1)	5 (13.5)	-	-	2 (5.4)	3 (8.1)	14 (37.8)
Public Affairs and Services	133	77 (57.9)	21 (15.8)	12 (9.0)	1 (9.0)	6 (0.8)	13 (9.8)	3 (2.3)
Social Sciences	26	7 (26.9)	3 (11.5)	1 (3.8)	1 (3.8)	2 (2.7)	-	12 (46.2)
GRAND TOTAL	1,353	788 (58.2)	200 (14.8)	53 (3.9)	16 (1.2)	48 (3.5)	87 (6.4)	161 (11.9)

Figures in parenthesis represent percentage values.

Table 27.2

Employment Status by Major Discipline for Master's Degree Recipients for Private Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Architecture and Environmental Design	6	5 (83.3)	1 (16.7)	-	-	-	-	-
Area Studies	2	-	-	-	-	-	-	2 (100.0)
Biological Sciences	19	7 (36.8)	6 (31.6)	-	-	5 (26.3)	-	1 (5.3)
Business and Management	328	152 (46.3)	116 (35.4)	3 (0.9)	11 (3,4)	8 (2.4)	11 (3.4)	27 (8.2)
Computer and Information Sciences	9	1 (11.1)	1 (11.1)	-	-	-	-	7 (77.8)
Education	262	174 (66.4)	42 (16.0)	14 (5.3)	12 (4.6)	3 (1.1)	1 (0.4)	16 (6.1)
Engineering	123	40 (32.5)	57 (46.3)	-	-	-	1 (0.8)	25 (20.3)
Fine and Applied Arts	12	7 (58.3)	5 (41.7)	-	-	-	-	-
Foreign Languages	3	-	3 (100.0)	-	-	-	-	-
Health Professions	62	45 (72.6)	13 (21.0)	-	-	-	3 (4.8)	1 (1.6)
Law	72	27 (37.5)	45 (62.5)	-	-	-	-	-
Letters	32	18 (56.3)	6 (18.8)	-	3 (9.4)	1 (3.1)	-	4 (12.5)
Library Science	3	3 (100.0)	-	-	-	-	-	-
Mathematics	14	3 (21.4)	3 (21.4)	-	-	-	-	8 (57.1)
Physical Sciences	32	12 (37.5)	9 (23.1)	-	-	1	-	10 (31.3)
Psychology	27	21 (77.8)	5 (18.5)	-	-	-	-	1 (3.7)
Public Affairs and Services	35	14 (40.0)	18 (51.4)	-	-	-	-	3 (8.6)
Social Sciences	26	15 (57.7)	6 (23.1)	2 (7.7)	-	-	1 (3.8)	2 (7.7)
Theology	27	25 (92.6)	-	-	-	-	-	2 (7.4)
GRAND TOTAL	1,094	569 (52.0)	336 (30.7)	19 (1.7)	26 (2,4)	18 (1.6)	17 (1.6)	109 (10.0)

Figures in parenthesis represent percentage values.

Table 27.3

Employment Status by Major Discipline for Master's Degree Recipients for State-Aided Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared In Pa.	 Outside Pa.	Employed in Other Field In Pa.	 Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Biological Sciences	36	13 (36.1)	7 (19.4)	-	1 (2.8)	-	-	15 (41.7)
Education	12	5 (41.7)	3 (25.0)	-	-	-	1 (8.3)	3 (25.0)
Health Professions	9	8 (88.9)	1 (11.1)	-	-	-	-	-
Psychology	44	21 (47.7)	15 (34.1)	1 (2.3)	-	3 (6.8)	1 (2.3)	3 (6.8)
GRAND TOTAL	101	47 (46.5)	26 (25.7)	1 (1.0)	1 (1.0)	3 (3.0)	2 (2.0)	21 (20.8)

Figures in parenthesis represent percentage values.

Table 28.0

Employment Status by Major Discipline for Doctoral Degree Recipients for State-Related Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	5	1 (20.0)	4 (80.0)	-	-	-	-	-
Biological Sciences	21	6 (28.6)	10 (47.6)	-	-	1 (4.8)	-	4 (19.0)
Business and Management	4	2 (50.0)	2 (50.0)	-	-	-	-	-
Communications	1	1 (100.0)	-	-	-	-	-	-
Education	126	63 (50.0)	45 (35.7)	4 (3.2)	2 (1.6)	5 (4.0)	5 (4.0)	2 (1.6)
Engineering	9	4 (44.4)	5 (55.6)	-	-	-	-	-
Fine and Applied Arts	3	1 (33.3)	1 (33.3)	-	-	-	1 (33.3)	-
Foreign Languages	2	1 (50.0)	-	-	-	-	1 (50.0)	-
Health Professions	22	10 (45.5)	9 (40.9)	-	-	-	-	3 (13.6)
Home Economics	5	-	4 (80.0)	-	-	-	1 (20.0)	-
Interdisciplinary Studies	3	2 (66.7)	1 (33.3)	-	-	-	-	-
Letters	10	3 (30.0)	2 (20.0)	-	-	4 (40.0)	1 (10.0)	-
Mathematics	2	2 (100.0)	-	-	-	-	-	-
Physical Sciences	17	5 (29.4)	10 (58.8)	1 (5.9)	-	-	-	1 (5.9)
Psychology	8	3 (37.5)	4 (50.0)	-	-	1 (12.5)	-	-
Public Affairs and Services	2	1 (50.0)	1 (50.0)	-	-	-	-	-
Social Sciences	13	8 (61.5)	4 (30.8)	-	-	-	1 (7.7)	-
GRAND TOTAL	253	113 (44.7)	102 (40.3)	5 (1.9)	2 (0.8)	11 (4.3)	10 (4.0)	10 (4.0)

Figures in parenthesis represent percentage values.

Table 28.1

Employment Status by Major Discipline for Doctoral Degree Recipients in State Colleges and University in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Education	2	-	-	2 (100.0)	-	-	-	-
Letters	10	-	10 (100.0)	-	-	-	-	-
GRAND TOTAL	12	-	10 (83.3)	2 (16.7)	-	-	-	-

Table 28.2

Employment Status by Major Discipline for Doctoral Degree Recipients for Private Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Architecture and Environmental Design	1	-	1 (100.0)	-	-	-	-	-
Biological Sciences	1	-	1 (100.0)	-	-	-	-	-
Business and Management	6	-	6 (100.0)	-	-	-	-	-
Computer and Information Sciences	5	2 (40.0)	3 (60.0)	-	-	-	-	-
Education	13	5 (38.5)	6 (46.2)	-	-	-	2 (15.4)	-
Engineering	29	6 (20.7)	22 (75.9)	-	1 (3.4)	-	-	-
Health Professions	8	2 (25.0)	5 (62.5)	-	-	1 (12.5)	-	-
Letters	6	3 (50.0)	3 (50.0)	-	-	-	-	-
Mathematics	5	2 (40.0)	2 (40.0)	-	-	-	1 (20.0)	-
Physical Sciences	14	4 (28.6)	9 (64.3)	-	1 (7.1)	-	-	-
Psychology	6	2 (33.3)	4 (66.7)	-	-	-	-	-
Public Affairs and Services	2	-	2 (100.0)	-	-	-	-	-
GRAND TOTAL	96	26 (27.1)	64 (66.7)	-	2 (2.1)	1 (1.0)	3 (3.1)	-

Figures in parenthesis represent percentage values.

Table 28.3

Employment Status by Major Discipline for Doctoral Degree Recipients for State-Aided Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Biological Sciences	27	9 (33.3)	15 (55.5)	-	-	-	-	3 (11.1)
Psychology	5	1 (20.0)	4 (80.0)	-	-	-	-	-
Social Sciences	6	6 (100.0)	-	-	-	-	-	-
GRAND TOTAL	38	16 (42.1)	19 (50.0)	-	-	-	-	3 (7.9)

Table 29.0

Employment Status by Major Discipline for Associate Degree Recipients for Community Colleges in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Arts and Science Transfers	1,368	224 (16.4)	7 (0.5)	134 (9.8)	8 (0.6)	69 (5.0)	56 (4.1)	870 (63.6)
Business and Commerce Technologies	1,109	641 (57.6)	20 (1.8)	126 (11.4)	6 (0.5)	42 (3.8)	79 (7.1)	195 (17.6)
Data Processing Technologies	286	179 (62.6)	4 (1.4)	32 (11.2)	1 (0.3)	8 (2.8)	17 (5.9)	45 (15.7)
Health Services and Para-Medical Technologies	1,109	817 (73.7)	46 (4.1)	27 (2.4)	-	92 (8.3)	41 (3.7)	86 (7.8)
Mechanical and Engineering Technologies	562	343 (61.0)	14 (2.5)	54 (9.6)	2 (0.4)	17 (3.0)	36 (6.4)	96 (17.1)
Natural Science Technologies	117	70 (59.8)	7 (6.0)	17 (14.5)	-	1 (0.9)	6 (5.1)	16 (13.7)
Public Service Related Technologies	375	155 (41.3)	4 (1.1)	45 (12.0)	2 (0.5)	34 (9.1)	30 (8.0)	105 (28.0)
GRAND TOTAL	4,926	2,429 (49.3)	102 (2.1)	435 (8.8)	19 (0.4)	263 (5.3)	265 (5.4)	1,413 (28.7)

Figures in parenthesis represent percentage values.

Table 29.1

Employment Status by Major Discipline for Associate Degree Recipients for Proprietary Institutions in Pennsylvania, 1980

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Business and Commerce Technologies	1,088	720 (66.2)	150 (13.8)	59 (5.4)	11 (1.0)	22 (2.0)	70 (6.4)	56 (5.1)
Data Processing Technologies	237	138 (58.2)	51 (21.5)	3 (1.3)	-	-	45 (19.0)	-
Health Services and Para-Medical Technologies	73	56 (76.6)	1 (1.4)	5 (6.8)	1 (1.4)	-	5 (6.8)	5 (6.8)
Mechanical and Engineering Technologies	676	344 (50.9)	220 (32.5)	58 (8.6)	4 (0.6)	3 (0.4)	32 (4.7)	15 (2.2)
Natural Science Technologies	18	9 (50.0)	1 (5.6)	-	-	1 (5.6)	6 (33.3)	1 (5.6)
Public Service Related Technologies	28	26 (92.9)	2 (7.1)	-	-	-	-	-
GRAND TOTAL	2,120	1,293 (61.0)	425 (20.0)	125 (5.9)	16 (0.8)	26 (1.2)	158 (7.5)	77 (3.6)

Table 29.2

Employment Status by Major Discipline for Associate Degree Recipients for Four-Year Colleges and Universities, 1980

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Arts and Science Transfers	293	33 (11.3)	6 (2.0)	31 (10.6)	5 (1.7)	7 (2.4)	16 (5.5)	195 (66.6)
Business and Commerce Technologies	412	273 (66.3)	15 (3.6)	32 (7.8)	1 (0.2)	11 (2.7)	24 (5.8)	56 (13.6)
Data Processing Technologies	71	33 (46.5)	19 (26.8)	2 (2.8)	-	1 (1.4)	7 (9.9)	9 (12.7)
Health Services and Para-Medical Technologies	490	326 (66.5)	71 (14.5)	6 (1.2)	3 (0.6)	16 (3.3)	14 (2.9)	54 (11.0)
Mechanical and Engineering Technologies	381	161 (42.3)	49 (12.9)	24 (6.3)	4 (1.0)	1 (0.3)	21 (5.5)	121 (31.8)
Natural Science Technologies	86	20 (23.3)	7 (8.1)	10 (11.6)	6 (7.0)	11 (12.8)	8 (9.3)	24 (27.9)
Public Service Related Technologies	74	35 (47.3)	7 (9.5)	10 (13.5)	2 (2.7)	4 (2.7)	5 (6.8)	11 (14.9)
GRAND TOTAL	1,807	881 (48.7)	174 (9.6)	115 (6.4)	21 (1.2)	51 (2.8)	95 (5.3)	470 (26.0)

Figures in parenthesis represent percentage values.

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1980

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
AGRICULTURE AND NATURAL RESOURCES	Total	1,010	230	152	57	26	31	81	96	337
Agriculture, General		49	7	4	3	1	2	8	3	21
Agronomy		98	28	20	2	2	2	4	11	29
Animal Science		166	29	19	8	5	9	8	26	62
Dairy Science		39	16	6	2	1	-	1	3	10
Poultry Science		3	2	-	-	-	-	-	-	1
Horticulture		171	54	23	5	1	6	14	15	53
Ornamental Horticulture		71	35	30	-	2	1	1	1	1
Agricultural Economics		31	7	2	4	2	-	3	1	12
Agricultural Business		44	9	3	3	1	-	4	6	18
Food Science and Technology		53	9	19	-	1	1	5	5	13
Forestry		96	8	7	10	4	7	10	13	37
Natural Resources Management		110	18	8	10	3	3	16	7	45
Other		79	8	11	10	3	-	7	5	35
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	203	43	35	3	2	1	6	17	96
Environmental Design, General		9	3	-	-	1	-	-	1	4
Architecture		111	21	21	1	-	-	4	13	51
Interior Design		15	6	1	-	-	-	-	1	7
Landscape Architecture		53	9	12	2	1	1	2	1	25
Urban Architecture		3	-	-	-	-	-	-	-	3
City, Community, Regional Planning		12	4	1	-	-	-	-	1	6
AREA STUDIES	Total	59	5	2	8	4	4	5	11	20
East Asian Studies		1	-	1	-	-	-	-	-	-
African Studies		7	-	-	-	-	1	0	1	5
Russian and Slavic Studies		5	-	1	-	-	1	3	-	-
Latin American Studies		1	-	-	-	-	-	-	-	1
European Studies, General		1	-	-	1	-	-	-	-	-
American Studies		40	4	-	7	4	2	2	9	12
Other		4	1	-	-	-	-	-	1	2
BIOLOGICAL SCIENCES	Total	2,560	373	138	143	77	49	181	952	647
Biology, General		2,103	279	105	109	71	40	151	805	543
Botany, General		36	4	-	4	1	4	3	14	6
Pharmacology		1	-	-	-	-	-	-	1	-
Microbiology		121	47	10	4	2	2	8	15	33
Biochemistry		112	18	6	4	-	2	6	51	25
Biophysics		13	2	-	2	-	-	-	6	3
Cellbiology		9	1	1	-	-	-	-	5	2
Marine Biology		12	1	1	3	-	1	-	4	2
Ecology		28	2	8	2	1	-	3	5	7
Entomology		7	-	-	1	-	-	1	3	2
Radiobiology		8	-	-	-	-	-	-	-	8
Nutrition		3	-	-	-	-	-	-	-	3
Other		107	19	7	14	2	-	9	43	13
BUSINESS AND MANAGEMENT	Total	9,695	3,358	1,440	481	202	180	873	527	2,634
Business and Commerce, General		1,329	546	136	38	30	21	95	75	368
Accounting		2,932	1,183	487	119	39	42	285	132	625
Business Statistics		7	3	2	-	-	-	1	1	-
Banking and Finance		520	136	94	35	18	9	41	37	150
Business Management and Administration		2,634	901	364	148	48	69	209	134	761
Operations Research		19	7	4	2	2	-	-	4	-
Hotel, Restaurant Management		7	2	4	-	-	-	-	-	1
Marketing and Purchasing		1,137	364	178	67	29	18	149	41	291
Transportation/Public Transportation		126	21	19	10	1	2	11	1	61
Real Estate		32	7	-	4	1	-	1	-	19
Insurance		70	20	8	4	-	-	5	3	30
International Business		3	1	2	-	-	-	-	-	-
Secretarial Studies		10	5	1	-	-	1	-	-	3
Personnel Management		49	6	7	5	1	4	4	2	20
Labor and Industrial Relations		98	12	3	12	1	3	17	7	43
Business Economics		328	24	55	17	23	5	25	52	127
Other		394	120	56	20	9	6	30	18	135

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[1] The "all others" category represents those not responding to the survey which should represent the difference between the number of respondents and the number of graduates.

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1980
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
COMMUNICATIONS	Total	1,088	217	99	132	51	47	112	45	385
Communications, General		273	66	37	28	13	15	24	19	71
Journalism (printed media)		381	78	27	65	25	19	42	11	114
Radio/Television		180	19	5	15	9	9	11	5	107
Advertising		137	22	16	9	2	1	22	3	62
Communication Media (film, tape, etc.)		97	29	13	13	2	2	13	3	22
Other		20	3	1	2	-	1	-	4	9
COMPUTER AND INFORMATION SCIENCES	Total	710	280	208	9	5	2	37	25	144
Computer and Information Science, Gen.		543	219	161	5	3	2	27	22	104
Information Sciences/Systems		60	21	23	2	-	-	3	2	9
Computer Programming		26	12	5	-	-	-	-	-	9
Systems Analysis		50	22	7	-	-	-	1	-	20
Other		31	6	12	2	2	-	6	1	2
EDUCATION	Total	6,626	2,018	886	571	168	512	412	465	1,594
Education, General		178	57	20	24	6	10	29	20	12
Elementary Education, General		1,913	593	266	150	41	204	107	79	473
Secondary Education, General		133	25	15	7	8	4	7	4	63
Special Education, General		551	219	132	28	5	33	25	17	92
Administration of Special Education		1	-	-	-	-	-	-	-	1
Education of Mentally Retarded		378	144	73	25	5	19	10	11	91
Education of Visually Handicapped		29	10	11	2	-	-	2	3	1
Speech Correction		272	61	45	10	2	3	8	78	65
Education of Emotionally Disturbed		3	1	2	-	-	-	-	-	-
Education of Physically Handicapped		52	18	14	3	-	-	7	4	6
Educational Psychology		24	4	2	6	1	-	5	4	2
Preelementary Education		201	101	22	9	2	22	11	11	23
Art Education		221	59	21	22	4	11	18	14	72
Music Education		404	99	60	65	18	22	26	43	71
Mathematics Education		61	20	11	3	1	5	1	5	15
Science Education		15	5	2	1	1	-	1	2	3
Physical Education		826	131	76	58	35	114	57	75	280
Health Education		37	6	2	5	3	3	3	5	10
Business/Commerce/Distributive Ed.		132	50	12	20	2	6	9	5	28
Industrial Arts, Vo-Tech Education		262	101	12	43	1	1	13	19	72
Early Childhood Education		73	14	2	6	-	6	3	5	37
Rehabilitation Education		15	6	2	1	-	-	2	-	4
Instructional Media		3	-	-	-	-	-	-	-	3
Dental Hygiene		3	-	-	2	-	-	-	-	1
Health/Physical Education/Recreation		51	15	3	2	4	2	1	3	21
Biology Education		41	16	4	5	2	1	3	5	5
French Education		9	3	1	1	1	-	1	-	2
German Education		1	1	-	-	-	-	-	-	-
Spanish Education		23	10	1	1	1	3	3	1	3
Other Foreign Languages		2	1	1	-	-	-	-	-	-
English Education		85	34	10	3	2	9	7	8	13
Earth/Space Science Education		24	6	2	3	1	2	2	3	5
Chemistry Education		7	2	3	-	-	-	-	2	-
Physical Education		7	4	1	1	-	-	-	-	1
Social Studies Education		195	48	17	26	11	23	28	12	30
Speech, Dramatic Arts Education		17	3	-	5	-	3	1	4	1
Home Economics Education		69	31	10	10	1	-	3	1	13
Nursing Education		44	30	3	1	-	-	3	-	7
Other		264	90	28	23	11	6	16	22	68
ENGINEERING	Total	3,961	1,231	1,507	34	44	2	111	236	796
Engineering, General		112	45	21	-	3	-	3	8	32
Aerospace Engineering		23	4	8	-	-	-	-	1	10
Agricultural Engineering		21	6	5	1	-	-	2	6	1
Architectural Engineering		74	13	20	1	-	-	-	2	38
Bio and Biomedical Engineering		7	6	-	-	-	-	-	-	1
Chemical Engineering		524	139	247	2	5	-	20	32	79
Petroleum Engineering		56	1	25	-	-	-	2	2	26
Electrical/Electronics/Communications Eng.		800	241	358	7	8	-	9	49	128
Civil/Construction/Transport. Eng.		530	167	200	4	8	-	14	23	114
Mechanical Engineering		637	204	247	2	5	-	8	37	134
Industrial/Management Engineering		285	89	100	2	7	-	11	17	59
Metallurgical Engineering		204	99	85	2	-	-	5	11	2
Materials Engineering		33	14	9	-	-	1	-	4	5
Ceramic Engineering		30	8	10	-	-	-	-	5	7
Textile Engineering		19	3	13	-	-	-	-	1	2
Mining/Mineral Engineering		123	33	33	3	1	1	20	4	28
Engineering Physics		7	1	1	-	-	-	-	3	2
Nuclear Engineering		39	6	12	1	2	-	-	6	12
Environmental/Sanitary Engineering		48	11	12	-	1	-	1	4	19
Engineering Technology		324	133	86	9	4	-	13	5	74
Other		65	8	15	-	-	-	3	16	23

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
FINE AND APPLIED ARTS	**Total**	1,717	263	135	124	54	76	146	159	760
Fine Arts, General		211	32	19	24	10	6	13	18	89
Painting, Drawing, Sculpture		552	41	22	49	14	33	52	41	300
Art History and Appreciation		89	6	2	14	5	1	13	14	34
Music (performing, comp. theory)		114	29	14	3	2	2	4	33	27
Music (liberal arts program)		141	23	12	12	10	7	14	23	40
Music History and Appreciation		4	1	-	-	-	-	1	2	-
Dramatic Arts		158	12	15	10	6	13	8	10	84
Dance		7	-	1	-	-	1	-	2	3
Applied Design, Multimedia		270	74	26	6	6	8	28	4	118
Cinematography		28	2	-	-	1	1	3	4	17
Photography		25	6	-	1	-	2	3	-	13
Opera		2	-	-	-	-	-	-	-	2
Printmaking		3	-	-	-	-	-	1	-	2
Other		113	37	24	5	-	2	6	8	31
FOREIGN LANGUAGES	**Total**	541	51	38	87	39	14	61	81	170
Foreign Languages, General		37	1	1	6	3	4	8	14	-
French		170	15	11	33	8	3	19	21	60
German		76	5	6	15	6	-	11	10	23
Italian		7	-	1	1	-	-	1	-	4
Spanish		185	25	15	29	14	7	12	19	64
Russian		43	4	3	2	4	-	6	11	13
Japanese		2	-	-	-	-	-	1	-	1
Latin		8	-	-	1	2	-	1	2	2
Greek (Classical)		4	-	-	-	1	-	1	2	-
Hebrew		1	-	-	-	-	-	-	-	1
Slavic Languages		2	-	-	-	-	-	1	-	1
Other		6	1	1	-	1	-	-	2	1
HEALTH PROFESSIONS	**Total**	3,186	1,754	385	29	9	64	66	143	756
Health Professions, General		38	7	-	-	-	-	3	-	28
Hospital, Health Care Admin.		145	28	7	7	4	3	24	8	64
Nursing		1,795	1,098	218	2	-	23	9	37	408
Medical Specialties		13	7	2	-	-	-	-	-	4
Occupational Therapy		51	26	8	-	-	2	5	1	9
Optometry		3	-	-	-	-	-	-	3	-
Pharmacy		314	209	42	-	-	3	-	14	46
Physical Therapy		92	32	9	-	-	-	-	1	50
Dental Hygiene		43	21	6	1	-	4	2	2	7
Public Health		25	4	1	4	-	3	1	5	7
Medical Librarianship		34	6	9	-	1	-	1	-	17
Speech Pathology, Audiology		52	23	9	7	-	-	1	5	7
Medical Lab. Technologies		289	180	28	2	-	2	5	8	64
Radiologic Technologies		18	15	2	-	-	-	-	-	1
Inhalation Therapy		21	14	2	-	-	-	-	-	5
Health Records Administration		16	7	-	1	1	-	1	-	6
Other		237	77	42	5	3	4	14	59	33
HOME ECONOMICS	**Total**	945	293	133	45	18	32	56	68	300
Home Economics, General		197	58	21	9	1	8	12	12	76
Home Decoration/Equipment		15	7	2	1	3	-	-	1	1
Clothing and Textiles		51	27	13	3	-	-	-	3	5
Consumer Economics		2	2	-	-	-	-	-	-	-
Family Relations		260	69	9	23	11	17	26	13	92
Foods and Nutrition		241	74	42	4	2	7	8	38	66
Institutional/Cafeteria Management		175	55	46	2	1	-	10	1	60
Other		4	1	-	3	-	-	-	-	-

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
INTERDISCIPLINARY STUDIES	Total	683	83	37	57	32	21	51	100	302
General Liberal Arts/Science		500	59	25	36	24	18	30	71	237
Biological and Physical Science		51	8	2	4	3	-	3	12	19
Humanities and Social Science		52	8	1	12	4	1	6	10	10
Engineering and Other Disciplines		1	1	-	-	-	-	-	-	-
Other		79	7	9	5	1	2	12	7	36
LAW	Total	52	3	3	-	7	-	1	23	15
Law, General		47	3	3	-	7	-	1	19	14
Other		5	-	-	-	-	-	-	4	1
LETTERS	Total	1,969	238	118	223	111	36	155	291	797
English, General		1,025	131	60	130	61	22	77	136	408
Literature, General		113	13	5	7	7	1	14	18	48
Comparative Literature		5	-	1	1	-	-	1	1	1
Classics		17	-	2	1	3	-	-	4	7
Linguistics		10	-	-	1	-	-	-	4	5
Speech/Debate/Forensics		399	66	26	33	12	5	31	30	196
Creative Writing		17	2	3	1	-	-	1	1	9
Philosophy		178	5	2	24	16	2	19	52	58
Religious Studies		104	12	7	6	8	3	1	33	34
Classical Studies		1	-	-	-	-	-	-	-	-
Other		100	9	12	19	4	3	11	12	30
LIBRARY SCIENCE	Total	73	34	5	14	-	3	4	7	6
Library Science, General		73	34	5	14	-	3	4	7	6
MATHEMATICS	Total	659	211	147	31	12	7	37	95	119
Mathematics, General		564	180	112	31	12	7	37	84	101
Statistics		5	3	1	-	-	-	-	-	1
Applied Mathematics		66	20	30	-	-	-	-	6	10
Other		24	8	4	-	-	-	-	5	7
PHYSICAL SCIENCES	Total	1,400	219	186	42	38	16	81	473	345
Physical Sciences, General		31	5	9	4	2	1	1	7	2
Physics, General		175	36	19	7	5	-	12	63	33
Chemistry, General		710	137	69	15	15	9	33	292	140
Astronomy		14	1	5	-	-	1	2	4	1
Atmospheric Science, Meteorology		50	5	8	2	4	1	3	5	22
Geology		186	15	52	4	2	2	10	48	53
Geophysics/Seismology		2	-	1	-	-	-	1	-	-
Earth Sciences, General		61	9	7	4	4	1	7	5	24
Oceanography		1	-	-	-	-	-	-	1	-
Metallurgy		31	6	7	-	-	-	1	-	17
Other		139	5	9	6	6	1	11	48	53
PSYCHOLOGY	Total	1,957	302	95	229	101	66	173	356	635
Psychology, General		1,874	268	82	221	97	63	168	343	632
Psychology for Counseling		41	16	6	2	4	2	4	7	-
Social Psychology		21	9	3	3	-	-	1	2	3
Psychometrics		1	1	-	-	-	-	-	-	-
Physiological Psychology		4	2	1	-	-	1	-	-	-
Other		16	6	3	3	-	-	-	4	-
PUBLIC AFFAIRS AND SERVICES	Total	2,499	623	222	221	80	71	271	171	840
Community Services, General		46	8	1	6	1	3	3	5	19
Public Administration		70	6	1	11	3	3	6	12	28
Park, Recreation Management		303	46	38	24	17	31	27	15	105
Social Work		868	259	63	85	16	21	92	85	247
Law Enforcement/Correction		1,019	261	95	76	35	10	115	43	384
International Public Service		23	2	1	2	3	-	4	3	8
Safety Management		66	25	18	1	-	-	17	-	5
Other		104	16	5	16	5	3	7	8	44

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degrees	All Others[1]
SOCIAL SERVICES	Total	4,302	521	268	507	267	100	363	786	1,490
Social Sciences		268	39	16	45	14	9	32	30	83
Anthropology		83	2	1	12	6	2	7	10	43
Archaeology		20	3	1	3	-	1	1	4	7
Economics		764	160	92	46	36	6	80	108	236
History		704	34	19	93	68	14	44	164	268
Geography		146	28	17	23	4	7	12	16	39
Political Science/Government		1,197	74	47	148	72	28	89	315	424
Sociology		751	126	33	95	50	26	63	91	267
Criminology		101	33	10	21	1	5	17	8	6
International Relations		76	2	11	1	6	-	4	21	31
Afro-American Studies		2	-	-	-	-	-	-	-	2
Urban Studies		78	13	4	11	-	-	8	4	38
Other		112	7	17	9	10	2	6	15	46
THEOLOGY	Total	209	34	24	29	9	2	4	49	58
Theological Professions, General		97	18	9	8	2	2	3	33	22
Religious Music		14	3	2	3	-	-	-	3	3
Religious Education		91	12	13	16	6	-	1	10	33
Other		7	1	-	2	1	-	-	3	-

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State Colleges and University in Pennsylvania, 1980

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
AGRICULTURE AND NATURAL RESOURCES	Total	34	3	6	3	3	-	3	2	14
Other		34	3	6	3	3	-	3	2	14
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	12	4	1	-	-	-	-	1	6
City Planning		12	4	1	-	-	-	-	1	6
AREA STUDIES	Total	4	1	-	-	1	-	-	1	1
American Studies		2	-	-	-	1	-	-	1	-
Other		2	1	-	-	-	-	-	-	1
BIOLOGICAL SCIENCES	Total	384	80	19	41	7	16	36	107	78
Biology, General		309	66	15	28	6	10	29	87	68
Botany, General		36	4	-	4	1	4	3	14	6
Histology		4	1	1	-	-	1	-	1	-
Marine Biology		7	1	1	1	-	1	-	1	2
Ecology		6	-	2	-	-	-	3	-	1
Other		22	8	-	8	-	-	1	4	1
BUSINESS AND MANAGEMENT	Total	2,221	836	259	123	36	49	287	71	560
Business and Commerce, General		96	29	17	1	1	2	8	5	33
Accounting		676	318	74	22	8	10	97	15	132
Banking and Finance		56	23	5	5	-	-	8	5	10
Business Management and Administration		857	286	100	68	17	24	95	31	236
Marketing and Purchasing		348	130	45	14	4	2	63	9	81
Transportation and Public Utilities		1	1	-	-	-	-	-	-	-
Real Estate		21	6	-	3	1	-	1	-	10
Secretarial Studies		8	4	1	-	-	-	-	-	3
Personnel Management		47	5	7	5	1	4	3	2	20
Business Economics		51	5	6	2	4	3	8	3	20
Other		60	29	4	3	-	4	4	1	15
COMMUNICATIONS	Total	250	74	27	35	5	13	27	10	59
Communications, General		128	39	17	14	4	7	10	7	30
Journalism		62	22	4	10	1	4	9	2	10
Communication Media		57	13	5	11	-	2	6	1	19
Radio/Television		3	-	1	-	-	-	2	-	-
COMPUTER AND INFORMATION SCIENCES	Total	247	108	55	6	3	-	18	12	45
Computer and Information Science, Gen.		145	72	32	5	1	-	10	11	14
Information Sciences/Systems		17	6	5	-	-	-	2	-	4
Computer Programming		8	3	-	-	-	-	-	-	5
Systems Analysis		50	22	7	-	-	-	1	-	20
Other		27	5	11	1	2	-	5	1	2
EDUCATION	Total	4,041	1,321	606	376	89	335	256	304	754
Education, General		115	44	16	13	-	-	16	15	11
Elementary Education, General		1,092	338	161	112	21	132	64	55	209
Secondary Education, General		15	7	2	2	-	-	2	1	1
Special Education, General		403	162	93	19	2	27	10	10	80
Education of Mentally Retarded		263	103	62	18	4	13	6	8	49
Education of Visually Handicapped		29	10	11	2	-	-	2	3	1
Speech Correction		189	42	41	9	2	1	5	51	38
Education of Emotionally Disturbed		3	1	2	-	-	-	-	-	-
Education of Physically Handicapped		32	18	14	3	-	-	7	4	6
Educational Psychology		19	4	1	4	-	-	5	3	2
Preelementary Education		146	76	16	8	1	18	10	10	7
Art Education		146	48	17	14	2	3	12	12	38
Music Education		170	56	32	21	6	4	14	17	20
Mathematics Education		44	16	10	1	1	3	-	3	10
Science Education		10	4	2	1	-	-	1	1	1
Physical Education		603	104	65	43	29	91	47	62	162
Health Education		24	6	2	3	3	2	-	5	3
Business/Commerce/Distributive Ed.		75	34	8	12	2	6	3	3	7

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State Colleges and University in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
EDUCATION (continued)										
Industrial Arts, Vo. Tech Education		170	63	10	40	-	-	10	17	28
Rehabilitation Education		15	6	2	1	-	-	2	-	4
Dental Hygiene		3	-	-	2	-	-	-	-	1
Biology Education		34	15	4	4	2	1	1	3	4
French Education		7	3	-	1	-	-	1	-	2
German Education		1	1	-	-	-	-	-	-	-
Spanish Education		19	7	1	1	1	3	2	1	3
English Education		49	19	3	1	1	5	7	4	9
Earth, Space Science Education		18	4	-	2	1	2	2	2	5
Chemistry Education		2	1	-	-	-	-	-	1	-
Physical Education		5	3	-	1	-	-	-	-	1
Social Studies Education		161	39	14	21	10	21	20	8	28
Speech, Dramatic Arts Education		17	3	-	5	-	3	1	4	1
Home Economics Education		48	26	6	7	1	-	2	-	6
Nursing Education		44	30	3	1	-	-	3	-	7
Other		50	26	8	4	-	-	1	1	10
ENGINEERING	Total	9	2	5	1	-	-	1	-	-
Petroleum Engineering		2	-	2	-	-	-	-	-	-
Industrial and Management Engineering		7	2	3	1	-	-	1	-	-
FINE AND APPLIED ARTS	Total	399	78	30	56	9	22	32	39	133
Fine Arts, General		60	7	3	10	-	3	1	3	33
Art (Paint, Draw, Sculpture)		181	24	9	32	5	15	17	15	64
Art History		15	2	-	3	1	-	4	2	3
Music (Performing, Comp. Theory)		9	-	3	-	-	-	-	6	-
Music, Liberal Arts		38	7	3	4	2	1	3	6	12
Music, History and Appreciation		3	1	-	-	-	-	1	1	-
Dramatic Arts		25	5	2	3	1	-	2	4	8
Applied Design, Multi-Media		61	31	8	3	-	3	4	-	12
Other		7	1	2	1	-	-	-	2	1
FOREIGN LANGUAGES	Total	114	18	9	27	6	2	18	13	21
French		25	4	2	7	2	-	6	2	2
German		26	3	1	6	2	-	8	3	3
Italian		49	7	5	12	2	2	4	6	11
Russian		14	4	1	2	-	-	-	2	5
HEALTH PROFESSIONS	Total	537	325	57	13	-	16	6	21	99
Nursing		307	198	31	1	-	11	1	9	56
Medical Specialties		13	7	2	-	-	-	-	-	4
Dental Hygiene		18	9	3	1	-	2	2	1	-
Public Health		25	4	1	4	-	3	1	5	7
Speech Pathology and Audio.		18	6	2	3	-	-	-	3	4
Medical Lab. Technology		118	79	13	-	-	-	1	3	22
Inhalation Therapy		21	14	2	-	-	-	-	-	5
Other		17	8	3	4	-	-	1	-	1
HOME ECONOMICS	Total	310	123	41	6	-	-	22	22	96
Home Economics, General		146	50	14	1	-	-	10	4	67
Clothing and Textiles		11	6	3	1	-	-	-	1	-
Family Rel., Child Dev.		17	8	1	2	-	-	3	1	2
Food and Nutrition		87	33	13	1	-	-	3	16	21
Institutional and Cafe. Management		49	26	10	1	-	-	6	0	6
INTERDISCIPLINARY STUDIES	Total	101	19	14	10	2	4	17	13	22
General Liberal Arts and Science		29	5	6	-	1	2	5	2	8
Biology and Physical Science		21	4	1	2	-	-	2	5	7
Humanities and Social Science		18	5	1	4	-	-	1	3	4
Engineering and Other Disc.		1	1	-	-	-	-	-	-	-
Other		32	4	6	8	1	2	9	3	3

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State Colleges and University in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
LETTERS	Total	334	70	33	65	12	2	29	31	92
English, General		184	36	15	39	7	1	17	17	52
Literature, English		10	1	1	4	1	1	1	1	-
Speech, Debate, Forensics		88	31	16	7	3	-	6	5	20
Creative Writing		5	1	-	1	-	-	1	-	2
Philosophy		30	1	1	10	1	-	3	6	8
Other		17	-	-	4	-	-	1	2	10
LIBRARY SCIENCE	Total	64	32	3	11	-	2	4	6	6
Library Science, General		64	32	3	11	-	2	4	6	6
MATHEMATICS	Total	130	46	30	10	3	1	9	12	19
Mathematics, General		123	44	26	10	3	1	9	12	18
Applied Mathematics		7	2	4	-	-	-	-	-	1
PHYSICAL SCIENCES	Total	203	50	30	13	4	2	18	36	50
Physical Sciences, General		1	-	-	-	-	-	-	-	1
Physics, General		41	12	4	4	2	-	6	5	8
Chemistry, General		76	22	3	1	-	1	4	23	22
Geology		52	9	21	4	-	1	4	3	10
Earth Sciences, General		33	7	2	4	2	-	4	5	9
PSYCHOLOGY	Total	460	80	24	77	10	20	41	70	138
Psychology, General		442	71	21	76	10	20	41	68	135
Social Psychology		18	9	3	1	-	-	-	2	3
PUBLIC AFFAIRS AND SERVICES	Total	943	299	124	91	26	33	119	53	198
Public Administration		14	3	1	1	1	1	2	-	5
Parks and Rec. Management		148	18	21	10	11	20	18	12	38
Social Work		294	113	30	53	5	7	40	18	28
Law Enforcement		421	140	54	26	9	5	42	23	122
Safety Management		66	25	18	1	-	-	17	-	5
SOCIAL SCIENCES	Total	896	158	60	131	26	25	80	105	311
Social Sciences, General		69	15	9	7	2	-	10	8	18
Anthropology		15	1	1	3	-	-	3	-	7
Economics		104	21	6	19	-	2	11	11	34
History		89	8	5	17	6	1	7	11	34
Geography		82	24	8	20	1	5	5	9	10
Political Science and Government		225	19	8	30	6	5	19	44	94
Criminology		21	7	5	6	-	1	-	-	2
International Relations		6	1	2	-	-	-	1	2	-
Urban Studies		36	12	2	7	-	-	2	1	12
Sociology		249	50	14	22	11	11	22	19	100

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Related Institutions in Pennsylvania, 1980

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
AGRICULTURE AND NATURAL RESOURCES	Total	748	137	61	52	19	24	74	70	311
Agriculture, General		49	7	4	3	1	2	8	3	21
Agronomy		64	13	9	2	1	1	3	8	27
Animal Science		118	13	3	7	4	6	8	20	57
Dairy Science		24	10	1	2	1	-	-	1	9
Poultry Science		3	2	-	-	-	-	-	-	1
Horticulture		132	39	6	4	1	5	14	11	52
Agricultural Economics		31	7	2	4	2	-	3	1	12
Agricultural Business		44	9	3	3	1	-	4	6	18
Food Science and Technology		37	6	13	-	1	-	4	2	11
Forestry		91	8	7	10	4	7	10	8	37
Natural Resources Management		110	18	8	10	3	3	16	7	45
Other		45	5	5	7	-	-	4	3	21
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	108	20	18	2	1	1	3	10	53
Architecture		55	11	6	-	-	-	1	9	28
Landscape Architecture		53	9	12	2	1	1	2	1	25
AREA STUDIES	Total	17	2	1	2	-	3	1	1	7
East Asian Studies		1	-	1	-	-	-	-	-	-
African Studies		7	-	-	-	-	1	-	1	5
Latin American Studies		1	-	-	-	-	-	-	-	1
American Studies		8	2	-	2	-	2	1	-	1
BIOLOGICAL SCIENCES	Total	645	84	21	34	13	11	37	137	308
Biology, General		430	27	8	21	10	8	24	86	246
Microbiology		118	46	10	4	2	2	8	13	33
Biochemistry		50	8	1	4	-	1	1	23	12
Biophysics		10	2	-	2	-	-	-	4	2
Entomology		7	-	-	1	-	-	1	3	2
Radiobiology		8	-	-	-	-	-	-	-	8
Other		22	1	2	2	1	-	3	8	5
BUSINESS AND MANAGEMENT	Total	2,398	581	261	175	38	44	172	83	1,044
Business and Commerce, General		413	125	21	18	7	6	37	9	190
Accounting		628	177	78	46	2	9	40	25	251
Business Statistics		2	1	1	-	-	-	-	-	-
Banking and Finance		231	50	31	23	7	3	15	9	93
Business Management and Administration		352	73	41	23	9	8	26	15	157
Marketing and Purchasing		414	100	53	35	6	13	31	11	165
Transportation, Public Utilities		120	18	19	10	1	2	8	1	61
Real Estate		11	1	-	1	-	-	-	-	9
Insurance		62	18	2	4	-	-	5	3	30
Labor and Industrial Relations		71	8	2	7	1	2	6	5	40
Business Economics		48	6	1	3	4	-	1	4	29
Other		46	4	12	5	1	1	3	1	19
COMMUNICATIONS	Total	520	75	33	48	14	24	45	15	266
Communications, General		16	1	-	3	-	2	1	3	6
Journalism (Printed Media)		225	43	17	23	6	13	21	5	97
Radio, Television		158	17	3	13	6	8	9	4	98
Advertising		118	14	13	9	2	1	14	3	62
Commercial Media (Film, Tape, etc.)		3	-	-	-	-	-	-	-	3
COMPUTER AND INFORMATION SCIENCES	Total	264	73	84	-	1	2	12	10	82
Computer and Information Science, Gen.		258	70	84	-	1	2	11	9	81
Information Sciences/Systems		6	3	-	-	-	-	1	1	1

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Related Institutions in Pennsylvania, 1980
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degrees	All Others[1]
EDUCATION	Total	1,314	266	57	59	22	104	63	75	668
Elementary Education, General		355	68	16	13	4	47	12	10	185
Secondary Education, General		68	1	1	2	1	2	2	1	58
Special Education, General		2	-	-	-	-	-	-	1	1
Administration of Special Education		1	-	-	-	-	-	-	-	1
Education of Mentally Retarded		115	41	11	7	1	6	4	3	42
Speech Correction		67	19	3	1	-	2	3	19	20
Preelementary Education		13	-	-	-	-	-	-	-	13
Art Education		52	5	1	6	2	4	5	1	28
Music Education		50	6	1	3	-	6	4	4	26
Mathematics Education		4	-	-	1	-	-	-	-	3
Science Education		4	1	-	-	1	-	-	-	2
Physical Education		197	20	9	10	5	22	10	12	109
Health Education		13	-	-	2	-	1	3	-	7
Business/Commerce/Distributive Education		23	3	2	-	-	-	-	2	16
Industrial Arts, Vo-Tech. Education		92	36	2	3	1	1	3	2	44
Early Childhood Education		73	14	2	6	-	6	3	5	37
Instructional Media		3	-	-	-	-	-	-	-	3
Health/Physical Education/Recreation		51	15	3	2	4	2	1	3	21
Home Economics Education		1	-	-	-	-	-	-	-	1
Other		130	37	6	3	3	5	13	12	51
ENGINEERING	Total	1,967	579	604	24	16	2	71	96	575
Aerospace Engineering		23	4	8	-	-	-	-	1	10
Agricultural Engineering		21	6	5	1	-	-	2	6	1
Architectural Engineering		74	13	20	1	-	-	-	2	38
Bio and Biomedical Engineering		7	6	-	-	-	-	-	-	1
Chemical Engineering		213	51	78	2	3	-	15	13	51
Petroleum Engineering		54	1	23	-	-	-	2	2	26
Civil/Construction/Transport Engineering		243	79	67	3	1	-	9	8	76
Electrical Electronics		332	100	120	3	1	-	2	9	97
Mechanical Engineering		305	102	84	1	3	-	6	14	95
Industrial/Management Engineering		144	47	50	-	2	-	4	5	36
Metallurgical Engineering		26	12	10	-	-	-	2	1	1
Materials Engineering		12	1	2	-	-	1	-	3	5
Ceramic Engineering		30	8	10	-	-	-	-	5	7
Mining and Mineral Engineering		123	33	33	3	1	1	20	4	28
Nuclear Engineering		39	6	12	1	2	-	-	6	12
Environmental/Sanitary Engineering		48	11	12	-	1	-	1	4	19
Engineering Technology		231	94	57	9	2	-	7	3	59
Other		42	5	13	-	-	-	1	10	13
FINE AND APPLIED ARTS	Total	331	15	11	12	7	23	26	18	219
Fine Arts, General		10	1	-	1	-	1	1	-	6
Painting, Drawing, Sculpture		162	7	7	5	2	8	13	8	112
Art History and Appreciation		26	-	1	-	2	1	3	1	18
Music (Performing, Comp. Theory)		18	-	-	1	-	1	1	2	13
Music (Liberal Arts Program)		6	1	-	-	1	-	-	-	4
Music History and Appreciation		1	-	-	-	-	-	-	1	-
Dramatic Arts		50	1	2	3	1	9	4	2	28
Applied Design, Multimedia		20	3	1	-	-	1	-	-	15
Cinematography		19	1	-	-	1	1	1	3	12
Photography		6	1	-	1	-	-	1	-	3
Opera		2	-	-	-	-	-	-	-	2
Printmaking		3	-	-	-	-	-	1	-	2
Other		8	-	-	1	-	1	1	1	4
FOREIGN LANGUAGES	Total	150	6	8	17	4	3	15	15	82
French		49	2	2	8	-	1	3	5	28
German		16	-	-	3	-	-	1	2	10
Italian		6	-	1	1	-	-	-	-	4
Spanish		61	4	4	5	4	2	4	7	31
Russian		14	-	1	-	-	-	6	1	6
Japanese		2	-	-	-	-	-	1	-	1
Hebrew		1	-	-	-	-	-	-	-	1
Slavic Languages		1	-	-	-	-	-	-	-	1

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Related Institutions in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
HEALTH PROFESSIONS	Total	879	300	53	10	4	7	34	23	448
Health Professions, General		32	6	-	-	-	-	1	-	25
Hospital, Health Care Administration		126	19	7	7	3	1	21	6	62
Nursing		366	159	18	1	-	4	1	3	180
Occupational Therapy		33	14	3	-	-	2	4	1	9
Pharmacy		94	35	8	-	-	-	-	1	46
Physical Therapy		92	32	9	-	-	-	-	5	50
Medical Librarianship		22	5	1	-	-	-	-	1	15
Medical Lab. Technologies		56	16	3	1	-	-	1	0	34
Health Records Administration		16	7	-	1	1	-	-	2	6
Other		42	7	4	-	-	-	1 5	- 5	21
HOME ECONOMICS	Total	443	102	50	25	14	20	29	29	174
Family Relations		242	61	8	21	11	16	23	12	90
Foods and Nutrition		79	16	6	3	2	4	2	16	30
Institutional/Cafeteria Management		122	25	38	1	1	-	4	1	54
INTERDISCIPLINARY STUDIES	Total	353	22	14	13	8	8	18	33	237
General Liberal Arts/Sciences		306	22	12	13	[illegible]	8	16	29	198
Biological and Physical Science		11	-	-	-	-	-	-	1	11
Humanities and Social Science		4	-	-	-	-	-	-	-	4
Other		32	-	2	-	-	-	2	3	25
LAW	Total	2	-	-	-	-	-	-	-	2
Law, General		2	-	-	-	-	-	-	-	2
LETTERS	Total	698	55	12	51	13	19	52	65	431
English, General		249	11	4	15	5	9	11	23	171
Literature, General		44	6	-	-	-	-	8	6	24
Comparative Literature		1	-	-	-	-	-	1	-	-
Classics		6	-	1	1	-	-	-	-	4
Linguistics		7	-	-	1	-	-	-	2	4
Speech/Debate/Forensics		296	30	7	25	6	5	25	23	175
Philosophy		34	1	-	3	1	1	-	7	21
Religious Studies		20	1	-	1	1	1	1	1	14
Classical Studies		1	-	-	-	-	-	-	-	1
Other		40	6	-	5	-	3	6	3	17
MATHEMATICS	Total	115	27	14	4	2	1	9	12	46
Mathematics, General		105	24	14	4	2	1	9	11	40
Statistics		1	-	-	-	-	-	-	-	1
Applied Mathematics		9	3	-	-	-	-	-	1	5
PHYSICAL SCIENCES	Total	520	57	67	12	15	5	41	119	204
Physical Sciences, General		3	-	1	1	-	-	-	-	1
Physics, General		32	5	1	2	1	-	2	8	13
Chemistry, General		172	30	22	1	1	1	16	42	59
Astronomy		8	1	3	-	-	-	2	1	1
Atmospheric Science, Meteorology		50	5	8	2	4	1	3	5	22
Geology		58	3	11	-	1	1	3	16	23
Earth Sciences, General		28	2	5	-	2	1	3	-	15
Metallurgy		31	6	7	-	-	-	1	-	17
Other		138	5	9	6	6	1	11	47	53
PSYCHOLOGY	Total	531	42	7	40	14	9	49	63	307
Psychology, General		531	42	7	40	14	9	49	63	307

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Related Institutions in Pennsylvania, 1980
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
PUBLIC AFFAIRS AND SERVICES	Total	908	137	37	60	23	29	72	47	303
Community Services, General		44	6	1	6	1	3	3	5	19
Public Administration		17	1	-	2	-	-	-	1	13
Park, Recreation Management		120	20	15	10	5	11	7	3	49
Social Work		273	43	6	10	3	8	22	17	164
Law Enforcement/Correction		344	57	11	20	6	4	30	10	206
International Public Service		22	2	1	2	3	-	3	3	8
Other		88	8	3	10	5	3	7	8	44
SOCIAL SCIENCES	Total	1,114	89	33	90	32	28	122	150	570
Social Sciences		105	9	2	18	1	7	12	12	44
Anthropology		43	1	-	6	1	1	4	4	26
Archeology		16	3	-	3	-	-	1	3	6
Economics		215	40	10	10	5	-	45	14	91
History		173	2	1	20	10	7	8	26	99
Geography		50	4	9	3	1	2	7	3	21
Political Science/Government		309	18	7	14	6	5	29	67	163
Sociology		122	9	3	13	6	4	10	13	64
Afro-American Studies		2	-	-	-	-	-	-	-	2
Urban Studies		31	1	-	-	-	-	3	1	26
Other		48	2	1	3	2	2	3	7	28

Table 30.3

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Aided Institutions in Pennsylvania, 1980

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
AGRICULTURE AND NATURAL RESOURCES	Total	223	90	85	2	4	7	4	19	12
Agriculture, General		34	15	11	-	1	1	1	3	2
Animal Science		48	16	16	1	1	3	-	6	5
Dairy Science		15	6	5	-	-	-	1	2	1
Horticulture		39	15	17	1	-	1	-	4	1
Ornamental Horticulture		71	35	30	-	2	1	1	1	1
Food Science and Technology		16	3	6	-	-	1	1	3	2
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	8	3	-	-	-	-	-	1	4
Environmental Design, General		8	3	-	-	-	-	-	1	4
BIOLOGICAL SCIENCES	Total	50	17	6	2	3	1	-	15	6
Biology, General		47	14	6	2	3	1	-	15	6
Other		3	3	-	-	-	-	-	-	-
BUSINESS AND MANAGEMENT	Total	508	258	122	21	14	3	5	29	56
Business and Commerce, General		69	42	9	3	2	1	-	-	12
Accounting		167	103	34	5	3	-	2	11	9
Business Statistics		3	2	1	-	-	-	-	-	-
Banking and Finance		19	10	6	1	-	-	-	-	2
Business Management and Administration		87	48	18	1	2	1	1	6	10
Operations Research		11	6	4	1	-	-	-	-	-
Marketing and Purchasing		52	27	15	2	2	1	2	2	1
Insurance		3	2	1	-	-	-	-	-	-
Business Economics		8	2	2	-	-	-	-	4	-
Other		89	16	32	8	5	-	-	6	22
COMMUNICATIONS	Total	6	2	-	-	-	-	-	-	4
Communications, General		6	2	-	-	-	-	-	-	4
COMPUTER AND INFORMATION SCIENCES	Total	29	12	17	-	-	-	-	-	-
Computer and Information Science, General		28	12	16	-	-	-	-	-	-
Other		1	-	1	-	-	-	-	-	-
ENGINEERING	Total	355	165	183	2	-	-	-	3	2
Chemical Engineering		61	27	34	-	-	-	-	-	-
Civil/Construction/Transport Engineering		44	19	25	-	-	-	-	-	-
Electrical/Electronics/Communications Eng.		117	52	63	-	-	-	-	2	-
Metallurgical Engineering		96	52	42	2	-	-	-	-	-
Materials Engineering		18	12	6	-	-	-	-	-	-
Textile Engineering		19	3	13	-	-	-	-	1	2
FINE AND APPLIED ARTS	Total	301	75	28	7	2	10	10	15	154
Fine Arts, General		5	2	-	-	-	-	1	-	2
Painting/Drawing/Sculpture		58	1	-	3	-	5	4	1	44
Music (Performing, Comp., Theory)		40	17	6	1	-	-	1	10	5
Dance		4	-	-	-	-	-	-	2	2
Applied Design, Multimedia		118	18	9	2	2	4	2	1	80
Cinematography		9	1	-	-	-	-	2	1	5
Photography		12	1	-	-	-	1	-	-	10
Other		55	35	13	1	-	-	-	-	6
HEALTH PROFESSIONS	Total	202	114	21	-	-	2	1	6	58
Nursing		101	45	2	-	-	1	-	4	49
Dental Hygiene		16	8	3	-	-	-	-	1	4
Medical Lab. Technologies		28	23	4	-	-	-	1	-	-
Radiologic Technologies		18	15	2	-	-	-	-	-	1
Other		39	23	10	-	-	1	-	1	4

Table 30.3

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State-Aided Institutions in Pennsylvania, 1980
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
HOME ECONOMICS	**Total**	53	28	12	1	3	-	-	2	9
Home Decoration/Equipment		15	7	2	1	3	-	-	1	1
Clothing and Textiles		23	12	8	-	-	-	-	1	4
Foods and Nutrition		11	5	2	-	-	-	-	-	4
Institutional/Cafeteria Management		4	4	-	-	-	-	-	-	-
MATHEMATICS	**Total**	4	3	1	-	-	-	-	-	-
Statistics		4	3	1	-	-	-	-	-	-
PHYSICAL SCIENCES	**Total**	16	7	6	-	-	-	-	3	-
Physical Sciences, General		5	3	2	-	-	-	-	-	-
Chemistry, General		11	4	4	-	-	-	-	3	-
SOCIAL SCIENCES	**Total**	2	2	-	-	-	-	-	-	-
Criminology		2	2	-	-	-	-	-	-	-

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for the Private Institutions in Pennsylvania, 1980

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
AGRICULTURE AND NATURAL RESOURCES	Total	5	-	-	-	-	-	-	5	-
Forestry		5	-	-	-	-	-	-	5	-
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	75	16	16	1	1	-	3	5	33
Environmental Design, General		1	-	-	-	1	-	-	-	-
Architecture, General		56	10	15	1	-	-	3	4	23
Interior Design		15	6	1	-	-	-	-	1	7
Urban Architecture		3	-	-	-	-	-	-	-	3
AREA STUDIES	Total	38	2	1	6	3	1	4	9	12
Russian and Slavic Studies		5	-	1	-	-	1	3	-	-
European Studies, General		1	-	-	1	-	-	-	-	-
American Studies		30	2	-	5	3	-	1	8	11
Other		2	-	-	-	-	-	-	1	1
BIOLOGICAL SCIENCES	Total	1,481	192	92	66	54	21	108	693	255
Biology, General		1,317	172	76	58	52	21	98	617	223
Pharmacology		1	-	-	-	-	-	-	1	-
Microbiology		3	1	-	-	-	-	-	2	-
Biochemistry		58	9	4	-	-	-	5	27	13
Biophysics		3	-	-	-	-	-	-	2	1
Cellbiology		9	1	1	-	-	-	-	5	2
Marine Biology		5	-	-	2	-	-	-	3	-
Ecology		22	2	6	2	1	-	-	5	6
Nutrition		3	-	-	-	-	-	-	-	3
Other		60	7	5	4	1	-	5	31	7
BUSINESS AND MANAGEMENT	Total	4,568	1,683	798	162	114	84	409	344	974
Business and Commerce, General		751	350	109	16	20	12	50	61	133
Accounting		1,461	385	301	46	26	23	146	101	233
Business Statistics		2	-	-	-	-	-	1	1	-
Banking and Finance		214	53	52	6	11	6	18	23	45
Business Management and Administration		1,338	494	205	56	20	36	87	82	358
Operations Research		8	1	-	1	2	-	-	4	-
Hotel, Restaurant Management		7	2	4	-	-	-	-	-	1
Marketing and Purchasing		323	107	65	16	17	2	53	19	44
Transportation/Public Utilities		5	2	-	-	-	-	3	-	-
Insurance		5	-	5	-	-	-	-	-	-
International Business		3	1	2	-	-	-	-	-	-
Secretarial Studies		2	1	-	-	-	1	-	-	-
Personnel Management		2	1	-	-	-	-	1	-	-
Labor and Industrial Relations		27	4	1	5	-	1	11	2	3
Business Economics		221	11	46	12	15	2	16	41	78
Other		199	71	8	4	3	1	23	10	79
COMMUNICATIONS	Total	312	66	39	49	32	10	40	20	56
Communications, General		123	24	20	11	9	6	13	9	31
Journalism (Printed Media)		94	13	6	32	18	2	12	4	7
Radio/Television		19	2	1	2	3	1	-	1	9
Advertising		19	8	3	-	-	-	8	-	-
Communication Media (Film, Tape, etc.)		37	16	8	2	2	-	7	2	-
Other		20	3	1	2	-	1	-	4	9
COMPUTER AND INFORMATION SCIENCES	Total	170	87	52	3	1	-	7	3	17
Computer and Information Science, Gen.		112	65	29	-	1	-	6	2	9
Information Sciences/Systems		37	12	18	2	-	-	-	1	4
Computer Programming		18	9	5	-	-	-	-	-	4
Other		3	1	-	1	-	-	1	-	-

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for the Private Institutions in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
EDUCATION	Total	1,271	431	223	136	57	73	93	86	172
Education, General		63	13	4	11	6	10	13	5	1
Elementary Education, General		466	187	89	25	16	25	31	14	79
Secondary Education, General		50	17	12	3	7	2	3	2	4
Special Education, General		146	57	39	9	3	6	15	6	11
Speech Correction		16	-	1	-	-	-	-	8	7
Educational Psychology		5	-	1	2	1	-	-	1	-
Preelementary Education		42	25	6	1	1	4	1	1	3
Art Education		23	6	3	2	-	4	1	1	6
Music Education		184	37	27	41	12	12	8	22	25
Mathematics Education		13	4	1	1	-	2	1	2	2
Science Education		1	-	-	-	-	-	-	1	-
Physical Education		26	7	2	5	1	1	-	1	9
Business/Commerce/Distributive Ed.		34	13	2	8	-	-	6	-	5
Biology Education		7	1	-	1	-	-	2	2	1
French Education		2	-	1	-	1	-	-	-	-
Spanish Education		4	3	-	-	-	-	1	-	-
Other Foreign Languages		2	1	1	-	-	-	-	-	-
English Education		36	13	7	2	-	4	-	4	6
Earth/Space Science Education		6	2	2	1	-	-	-	1	-
Chemistry Education		5	1	3	-	-	-	-	1	-
Physics Education		2	1	1	-	-	-	-	-	-
Social Studies Education		34	9	3	5	1	2	8	4	2
Home Economics Education		20	5	4	3	-	-	1	1	6
Other		84	27	14	16	8	1	2	9	7
ENGINEERING	Total	1,630	485	715	7	28	-	39	137	219
Engineering, General		112	45	21	-	3	-	3	8	32
Chemical Engineering		250	61	135	-	2	-	5	19	28
Civil/Construction/Transport. Engineering		243	69	108	1	7	-	5	15	38
Electrical/Electronics/Communications Eng.		351	89	175	4	7	-	7	38	31
Mechanical Engineering		332	102	163	1	2	-	2	23	39
Industrial/Management Engineering		134	40	47	1	5	-	6	12	23
Metallurgical Engineering		82	35	33	-	-	-	3	10	1
Engineering Physics		7	1	1	-	-	-	-	3	2
Engineering Technologies		93	39	29	-	2	-	6	2	15
Materials Engineering		3	1	1	-	-	-	-	1	-
Other		23	3	2	-	-	-	2	6	10
FINE AND APPLIED ARTS	Total	686	95	66	49	36	21	78	87	254
Fine Arts, General		136	22	16	13	10	2	10	15	48
Painting, Drawing, Sculpture		151	9	6	9	7	5	18	17	80
Art History and Appreciation		48	4	1	11	2	-	6	11	13
Music (Performing, Comp. Theory)		47	12	5	1	2	1	2	15	9
Dramatic Arts		83	6	11	4	4	4	2	4	48
Dance		3	-	1	-	-	1	-	-	1
Applied Design (Multimedia)		71	22	8	1	4	-	22	3	11
Photography		7	4	-	-	-	1	2	-	-
Music (Liberal Arts Program)		97	15	9	8	7	6	11	17	24
Other		43	1	9	2	-	1	5	5	20
FOREIGN LANGUAGES	Total	277	27	21	43	29	9	28	53	67
Foreign Languages, General		37	1	1	6	3	4	8	14	-
French		96	9	7	18	6	2	10	14	30
German		34	2	5	6	4	-	2	5	10
Italian		1	-	-	-	-	-	1	-	-
Spanish		75	14	6	12	8	3	4	6	22
Russian		15	-	1	-	4	-	-	8	2
Latin		8	-	-	1	2	-	1	2	2
Greek, Classical		4	-	-	-	1	-	1	2	-
Slavic Languages		1	-	-	-	-	-	1	-	-
Other		6	1	1	-	1	-	-	2	1

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for the Private Institutions in Pennsylvania, 1980
(continued)

			Employed in Field Prepared		Employed in Other Field					
HEGIS Degree Field		Total	In Pa.	Outside Pa.	In Pa.	Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
HEALTH PROFESSIONS	Total	1,568	1,015	234	6	5	19	25	93	151
Health Professions, General		6	1	-	-	-	-	2	-	3
Hospital, Health Care Administration		19	9	-	-	1	2	3	2	2
Nursing		1,021	696	167	-	-	7	7	21	123
Occupational Therapy		18	12	5	-	-	-	1	-	-
Optometry		3	-	-	-	-	-	-	3	-
Pharmacy		220	174	34	-	-	3	-	9	-
Dental Hygiene		9	4	-	-	-	2	-	-	3
Medical Librianship		12	1	8	-	1	-	-	-	2
Speech Pathology, Audiology		34	17	7	4	-	-	1	2	3
Medical Lab. Technologies		87	62	8	1	-	2	3	3	8
Other		139	39	25	1	3	3	8	53	7
HOME ECONOMICS	Total	137	40	30	13	1	12	5	15	21
Home Economics, General		51	8	7	8	1	8	2	8	9
Clothing and Textiles		15	9	2	2	-	-	-	1	1
Consumer Economics		2	2	-	-	-	-	-	-	-
Family Relations		1	-	-	-	-	1	-	-	-
Foods and Nutrition		64	20	21	-	-	3	3	6	11
Other		4	1	-	3	-	-	-	-	-
INTERDISCIPLINARY STUDIES	Total	229	42	9	34	22	9	16	54	43
General Liberal Arts/Science		165	32	7	23	15	8	9	40	31
Biological and Physical Sciences		19	4	1	2	3	-	1	6	2
Humanities and Social Sciences		30	3	-	8	4	1	5	7	2
Other		15	3	1	1	-	-	1	1	8
LAW	Total	50	3	3	-	7	-	1	23	13
Law, General		45	3	3	-	7	-	1	19	12
Other		5	-	-	-	-	-	-	4	1
LETTERS	Total	937	113	73	107	86	15	74	195	274
English, General		592	84	41	76	49	12	49	96	185
Literature, English		59	6	4	3	6	-	5	11	24
Comparative Literature		4	-	1	1	-	-	-	1	1
Classics		11	-	1	-	3	-	-	4	3
Linguistics		3	-	-	-	-	-	-	2	1
Speech/Debate/Forensics		15	5	3	1	3	-	-	2	1
Creative Writing		12	1	3	-	-	-	-	1	7
Philosophy		114	3	1	11	14	1	16	39	29
Religious Studies		84	11	7	5	7	2	-	32	20
Other		43	3	12	10	4	-	4	7	3
LIBRARY SCIENCE	Total	9	2	2	3	-	1	-	1	-
Library Science, General		9	2	2	3	-	1	-	1	-
MATHEMATICS	Total	410	135	102	17	7	5	19	71	54
Mathematics, General		336	112	72	17	7	5	19	61	43
Applied Mathematics		50	15	26	-	-	-	-	5	4
Other		24	8	4	-	-	-	-	5	7
PHYSICAL SCIENCES	Total	661	105	83	17	19	9	22	315	91
Physical Sciences, General		22	2	6	3	2	1	1	7	-
Physics, General		102	19	14	1	2	-	4	50	12
Chemistry, General		451	81	40	13	14	7	13	224	59
Astronomy		6	-	2	-	-	1	-	3	-
Geology		76	3	20	-	1	-	3	29	20
Geophysics/Seismology		2	-	1	-	-	-	1	-	-
Oceanography		1	-	-	-	-	-	-	1	-
Other		1	-	-	-	-	-	-	1	-

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for the Private Institutions in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	 Outside Pa.	Employed in Other Field In Pa.	 Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
PSYCHOLOGY	Total	966	180	64	112	77	37	83	223	190
Psychology, General		901	155	54	105	73	34	78	212	190
Psychology for Counseling		41	16	6	2	4	2	4	7	-
Social Psychology		3	-	-	2	-	-	1	-	-
Psychometrics		1	1	-	-	-	-	-	-	-
Physiological Psychology		4	2	1	-	-	1	-	-	-
Other		16	6	3	3	-	-	-	4	-
PUBLIC AFFAIRS AND SERVICES	Total	648	187	61	70	31	9	80	71	139
Community Services, General		2	2	-	-	-	-	-	-	-
Public Administration		39	2	-	8	2	2	4	11	10
Park, Recreation Management		35	8	2	4	1	-	2	-	18
Social Work		301	103	27	22	8	6	30	50	55
Law Enforcement/Correction		254	64	30	30	20	1	43	10	56
International Public Service		1	-	-	-	-	-	1	-	-
Other		16	8	2	6	-	-	-	-	-
SOCIAL SCIENCES	Total	2,290	272	175	286	209	47	161	531	609
Social Sciences		94	15	5	20	11	2	10	10	21
Anthropology		25	-	-	3	5	1	-	6	10
Archeology		4	-	1	-	-	1	-	1	1
Economics		445	99	76	17	31	4	24	83	111
History		442	24	13	56	52	6	29	127	135
Geography		14	-	-	-	2	-	-	4	8
Political Science/Government		663	37	32	104	60	18	41	204	167
Sociology		380	67	16	60	33	11	31	59	103
Criminology		78	24	5	15	1	4	17	8	4
International Relations		70	1	9	1	6	-	3	19	31
Urban Studies		11	-	2	4	-	-	3	2	-
Other		64	5	16	6	8	-	3	8	18
THEOLOGY	Total	209	34	24	29	9	2	4	49	58
Theological Professions, General		97	18	9	8	2	2	3	33	22
Religious Music		14	3	2	3	-	-	-	3	3
Religious Education		91	12	13	16	6	-	1	10	33
Other		7	1	-	2	1	-	-	3	-

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1980

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
AGRICULTURE AND NATURAL RESOURCES	Total	54	6	5	-	1	-	2	6	34
Agriculture, General		7	1	-	-	-	-	1	2	3
Animal Science		10	2	-	-	-	-	-	1	7
Dairy Science		2	-	1	-	-	-	-	-	1
Fish/Game/Wildlife Management		1	-	-	-	-	-	-	-	1
Horticulture		8	-	-	-	-	-	1	2	5
Agricultural Economics		10	-	1	-	-	-	-	-	9
Food Science and Technology		7	-	2	-	-	-	-	1	4
Natural Resources Management		9	3	1	-	1	-	-	-	4
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	39	9	2	1	1	-	2	1	23
Architecture		17	5	1	-	-	-	-	-	11
City, Community, Regional Planning		22	4	1	1	1	-	2	1	12
AREA STUDIES	Total	7	1	-	-	-	1	-	3	2
African Studies		2	-	-	-	-	-	-	2	-
American Studies		5	1	-	-	-	1	-	1	2
BIOLOGICAL SCIENCES	Total	187	37	25	5	1	6	3	41	69
Biology, General		66	16	2	3	-	6	2	6	31
Botany, General		2	-	-	-	-	-	-	-	2
Plant Pathology		14	-	2	1	-	-	-	2	9
Pathology, Human and Animal		5	3	-	-	-	-	-	2	-
Pharmacology		6	-	1	-	-	-	-	4	1
Physiology		10	-	-	-	-	-	-	7	3
Microbiology		31	11	8	-	-	-	-	7	5
Anatomy		1	-	-	-	-	-	-	1	-
Biochemistry		14	2	2	-	1	-	-	5	4
Biophysics		5	-	1	-	-	-	-	2	2
Biometrics and Biostatics		2	-	1	-	-	-	-	-	1
Ecology		7	-	1	-	-	-	-	1	5
Entomology		4	-	1	-	-	-	1	-	2
Genetics		4	-	-	-	-	-	-	3	1
Toxicology		7	3	4	-	-	-	-	-	-
Biophysics/Microbiology		1	-	1	-	-	-	-	-	-
Other		8	2	1	1	-	-	-	1	3
BUSINESS AND MANAGEMENT	Total	1,169	425	160	19	14	11	28	39	473
Business and Commerce, General		167	48	28	5	13	1	5	3	64
Accounting		45	18	3	-	-	-	1	3	20
Business Statistics		9	2	1	-	-	-	-	2	4
Banking and Finance		87	23	10	1	-	-	2	2	49
Business Management and Administration		783	317	111	6	1	9	17	16	306
Operations Research		6	3	-	-	-	-	-	2	1
Marketing and Purchasing		32	9	3	4	-	-	1	2	13
Real Estate		1	-	-	1	-	-	-	-	-
Insurance		2	1	-	-	-	-	-	-	1
International Business		6	1	-	1	-	-	1	-	3
Personnel Management		3	-	-	-	-	-	-	3	-
Labor and Industrial Relations		17	3	3	1	-	1	1	-	8
Business Economics		9	-	1	-	-	-	-	5	3
Actuarial Sciences		1	-	-	-	-	-	-	-	1
Other		1	-	-	-	-	-	-	1	-
COMMUNICATIONS	Total	53	16	15	2	-	1	-	2	17
Communications, General		37	14	12	2	-	-	-	1	8
Journalism (Printed Media)		12	1	3	-	-	1	-	1	6
Radio/Television		1	-	-	-	-	-	-	-	1
Other		3	1	-	-	-	-	-	-	2
COMPUTER AND INFORMATION SCIENCES	Total	110	37	9	-	1	-	3	13	47
Computer and Information Sci., General		64	13	8	-	1	-	1	11	30
Information Science and Systems		45	24	-	-	-	-	2	2	17
Systems Analysis		1	-	1	-	-	-	-	-	-

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
EDUCATION	Total	2,845	983	181	155	41	52	63	55	1,315
Education, General		64	21	1	3	3	1	1	3	31
Elementary Education, General		432	159	17	8	3	11	4	2	228
Secondary Education, General		64	10	3	1	-	1	-	-	49
Junior High School Education		1	-	-	-	-	-	-	-	1
Higher Education, General		4	-	-	-	-	-	-	1	3
Adult and Continuing Education		18	6	5	4	-	-	1	-	2
Special Education, General		307	104	13	3	1	4	5	-	177
Education of the Mentally Retarded		29	7	3	-	-	2	1	-	16
Education of the Gifted		3	2	-	1	-	-	-	-	-
Education of the Deaf		8	5	-	-	-	-	-	-	3
Speech Correction		121	52	22	5	3	1	2	1	35
Education of Emotionally Disturbed		26	13	4	1	-	-	-	-	8
Special Learning Disabilities		28	-	-	-	-	-	-	-	28
Education of Multiply Handicapped		39	22	3	4	-	1	-	2	7
Social Foundations of Education		9	-	-	-	-	-	-	-	9
Educational Psychology		58	12	6	5	1	-	-	9	25
Preelementary Education		6	2	-	-	-	3	-	-	1
Educational Statistics and Research		5	-	-	-	-	-	-	-	5
Educational Testing, Evaluation Measurement		22	12	9	-	-	-	-	1	-
Student Personnel		434	162	31	64	6	7	20	12	132
Educational Administration		123	38	9	5	9	1	7	1	53
Educational Supervision		29	1	1	2	-	-	-	-	25
Curriculum and Instruction		44	8	3	1	1	3	2	2	24
Reading Evaluation		341	132	14	26	10	10	7	3	139
Art Education		47	14	3	1	1	2	-	1	25
Music Education		48	18	7	-	1	1	3	4	14
Mathematics Education		31	16	-	-	-	1	-	-	14
Science Education		33	15	6	1	-	-	-	1	10
Physical Education		98	27	10	3	-	-	3	2	53
Health Education		10	1	-	-	-	-	1	1	7
Business/Commerce/Distributive Education		37	10	2	1	-	-	-	-	24
Industrial Arts, Vo-Tech. Education		63	32	-	3	-	2	-	1	25
Social Studies Education		5	-	-	-	-	-	-	-	5
Early Childhood Education		21	15	-	-	-	1	1	-	4
School Psychology		26	3	1	2	-	-	-	3	17
Instructional Media		33	9	1	4	-	-	-	-	19
Urban Education		6	1	-	-	-	-	1	-	4
Health, Physical, Recreational Education		17	7	-	-	-	-	-	-	10
Biology Education		4	-	-	1	-	-	-	1	2
English Education		31	13	2	1	-	-	2	2	11
Earth/Space Science Education		6	1	-	3	-	-	-	-	2
Chemistry Education		3	1	-	-	-	-	-	1	1
Physics Education		1	1	-	-	-	-	-	-	-
Social Studies Education		15	6	1	-	1	-	1	1	5
Home Economics Education		28	17	1	1	-	-	1	-	8
Nursing Education		1	-	-	-	-	-	-	-	1
Other		66	8	3	1	1	-	-	-	53
ENGINEERING	Total	495	105	85	2	-	1	12	47	243
Engineering, General		20	20	-	-	-	-	-	-	-
Aerospace Engineering		6	-	2	-	-	-	-	-	4
Agricultural Engineering		4	1	1	-	-	-	-	-	2
Architectural Engineering		11	2	1	-	-	-	-	-	8
Bio and Biomedical Engineering		6	1	1	-	-	-	-	1	3
Chemical Engineering		63	13	19	-	-	-	3	9	19
Petroleum Engineering		10	-	1	-	-	-	-	1	8
Civil/Construction/Trans. Engineering		69	6	11	-	-	-	3	7	42
Electrical, Electronics, Communications Eng.		72	17	18	-	-	-	2	10	25
Mechanical Engineering		55	15	6	-	-	-	1	5	28
Industrial and Management Engineering		64	9	9	2	-	1	2	-	41
Metallurgical Engineering		17	7	4	-	-	-	-	3	3
Materials Engineering		2	-	-	-	-	-	-	1	1
Ceramic Engineering		2	-	-	-	-	-	-	1	1
Mining and Mineral Engineering		28	4	3	-	-	-	1	-	20
Nuclear Physics		10	-	1	-	-	-	-	1	8
Engineering Mechanics		3	1	-	-	-	-	-	1	1
Environment and Sanitary Engineering		3	-	-	-	-	-	-	-	3
Engineering Technology		7	-	1	-	-	-	-	3	3
Engineering Physics		1	-	-	-	-	-	-	-	1
Other		42	9	7	-	-	-	-	4	22

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
FINE AND APPLIED ARTS	Total	180	23	13	3	1	6	4	2	128
Painting, Drawing, Sculpture		47	4	3	1	-	-	3	1	35
Art History and Appreciation		11	1	-	1	-	-	-	-	9
Music (Performing, Comp., Theory)		57	13	2	-	1	4	-	-	37
Music (Liberal Arts Program)		12	4	2	-	-	-	-	-	6
Music History and Appreciation		2	1	-	-	-	-	-	-	1
Dramatic Arts		34	-	6	-	-	1	1	1	25
Applied Design, Multimedia		2	-	-	-	-	-	-	-	2
Photography		5	-	-	-	-	-	-	-	5
Opera		3	-	-	1	-	-	-	-	2
Printmaking		7	-	-	-	-	1	-	-	6
FOREIGN LANGUAGES	Total	60	4	7	1	-	4	1	3	40
Foreign Languages, General		1	-	-	-	-	1	-	-	-
French		13	-	2	-	-	-	-	2	9
German		11	1	1	-	-	1	-	1	7
Italian		1	-	-	-	-	-	-	-	1
Spanish		23	2	4	1	-	2	-	-	14
Latin		3	1	-	-	-	-	-	-	2
Slavic Languages		8	-	-	-	-	-	1	-	7
HEALTH PROFESSIONS	Total	491	83	27	1	-	2	4	4	370
Health Professions, General		26	-	-	-	-	-	-	-	26
Hospital, Health Care Administration		26	3	1	-	-	-	1	1	20
Nursing		104	16	1	1	-	-	-	-	86
Dental Specialties		17	1	2	-	-	-	-	1	13
Pharmacy		22	7	8	-	-	-	1	1	5
Public Health		155	-	-	-	-	-	-	-	155
Speech Pathology, Audiology		61	13	3	-	-	2	-	-	43
Clinical Social Work		54	39	8	-	-	-	2	1	4
Medical Lab. Technologies		2	1	-	-	-	-	-	-	1
Radiologic Technologies		10	3	3	-	-	-	-	-	4
Other		14	-	1	-	-	-	-	-	13
HOME ECONOMICS	Total	24	2	1	-	-	-	2	6	13
Family Relations and Child Development		6	-	-	-	-	-	-	4	2
Foods and Nutrition		18	2	1	-	-	-	2	2	11
INTERDISCIPLINARY STUDIES	Total	71	21	7	4	1	-	2	3	33
Humanities		5	1	2	-	-	-	-	-	2
Psycho-Biology		1	-	-	-	-	-	-	-	1
Other		65	20	5	4	1	-	2	3	30
LAW	Total	196	27	45	-	-	-	-	2	122
Law, General		196	27	45	-	-	-	-	2	122
LETTERS	Total	195	32	20	4	4	1	3	17	114
English, General		86	11	13	4	-	-	2	3	53
Literature, English		24	11	-	-	3	1	-	2	7
Comparative Literature		4	-	1	-	-	-	-	-	3
Classics		3	1	-	-	-	-	-	2	-
Linguistics		14	-	-	-	-	-	-	1	13
Speech/Debate/Forensics		26	2	1	-	1	-	1	2	19
Teaching English as a Foreign Language		2	2	-	-	-	-	-	-	-
Philosophy		17	3	5	-	-	-	-	1	8
Religious Studies		16	2	-	-	-	-	-	6	8
Other		3	-	-	-	-	-	-	-	3
LIBRARY SCIENCE	Total	160	25	2	2	1	2	14	-	114
Library Science, General		160	25	2	2	1	2	14	-	114
MATHEMATICS	Total	65	15	10	-	2	1	3	11	23
Mathematics, General		52	13	8	-	2	-	3	8	18
Statistics		11	1	1	-	-	1	-	3	5
Applied Mathematics		2	1	1	-	-	-	-	-	-

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
PHYSICAL SCIENCES	Total	173	41	22	2	2	1	3	28	74
Physical Sciences, General		2	-	-	-	-	-	1	-	1
Physics, General		28	3	3	-	-	-	1	10	11
Chemistry, General		64	30	8	-	1	1	1	4	19
Pharmaceutical Chemistry		7	-	1	-	-	-	-	4	2
Astronomy		3	-	-	-	-	-	-	1	2
Atmospheric Science, Meteorology		18	-	5	-	-	-	-	1	12
Geology		19	5	2	-	-	-	-	2	10
Geophysics and Seismology		6	-	1	-	-	-	-	-	5
Earth Sciences, General		11	3	1	2	1	-	-	1	3
Metallurgy		7	-	-	-	-	-	-	2	5
Other		8	-	1	-	-	-	-	3	4
PSYCHOLOGY	Total	212	77	30	4	1	5	4	21	70
Psychology, General		117	38	10	1	1	1	2	10	54
Experimental Psychology		2	-	1	-	-	-	-	-	1
Clinical Psychology		18	3	1	1	-	-	-	8	5
Psychology for Counseling		6	2	2	-	-	-	1	-	1
Social Psychology		22	13	-	1	-	1	-	1	6
Developmental Psychology		1	-	-	-	-	-	-	1	-
Other		46	21	16	1	-	3	1	1	3
PUBLIC AFFAIRS AND SERVICES	Total	705	95	45	13	12	6	14	6	514
Community Services, General		10	1	1	-	-	-	1	-	7
Public Administration		299	49	35	12	12	1	8	4	178
Parks, Recreation Management		98	3	5	-	-	-	1	-	89
Social Work		241	39	4	1	-	5	4	1	187
Law Enforcement/Corrections		15	2	-	-	-	-	-	-	13
International Public Service		36	-	-	-	-	-	-	-	36
Other		6	1	-	-	-	-	-	1	4
SOCIAL SCIENCES	Total	205	33	29	12	3	2	4	17	105
Social Sciences, General		13	3	1	2	-	-	1	-	6
Anthropology		14	-	1	-	-	-	-	5	8
Economics		28	1	-	-	1	1	-	-	25
History		51	12	4	5	1	1	1	4	23
Geography		26	3	4	4	-	-	1	3	11
Political Science/Government		31	4	4	1	1	-	1	4	16
Sociology		21	6	4	-	-	-	-	1	10
Criminology		16	1	11	-	-	-	-	-	4
Urban Studies		2	2	-	-	-	-	-	-	-
Other		3	1	-	-	-	-	-	-	2
THEOLOGY	Total	44	25	-	-	-	-	-	2	17
Theological Professions, General		38	21	-	-	-	-	-	-	17
Biblical Languages		2	-	-	-	-	-	-	2	-
Religious Education		4	4	-	-	-	-	-	-	-

Table 31.1

Employment Status by Degree Field for Master's Degree Recipients for the State Colleges and University in Pennsylvania, 1980

			Employed in Field Prepared		Employed in Other Field					
HEGIS Degree Field		Total	In Pa.	Outside Pa.	In Pa.	Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
BIOLOGICAL SCIENCES	Total	44	10	2	3	-	1	-	4	24
Biology, General		44	10	2	3	-	1	-	4	24
BUSINESS AND MANAGEMENT	Total	139	37	11	5	2	1	6	4	73
Business and Commerce, General		88	28	6	5	2	1	4	3	39
Business Management and Administration		46	9	3	-	-	-	2	1	31
Labor and Industrial Relations		5	-	2	-	-	-	-	-	3
COMMUNICATIONS	Total	36	14	12	2	-	-	-	1	7
Communications, General		36	14	12	2	-	-	-	1	7
EDUCATION	Total	1,231	561	85	124	24	25	43	17	352
Education, General		11	8	1	-	-	-	1	1	-
Elementary Education, General		239	127	11	7	2	6	3	-	83
Secondary Education, General		1	1	-	-	-	-	-	-	-
Adult and Continuing Education		17	5	5	4	-	-	1	-	2
Special Education, General		123	57	11	3	1	3	4	-	44
Education of the Mentally Retarded		4	2	1	-	-	-	-	-	1
Education of the Gifted		3	2	-	1	-	-	-	-	-
Education of the Deaf		8	5	-	-	-	-	-	-	3
Speech Correction		77	40	7	5	2	-	1	1	21
Education of Emotionally Disturbed		26	13	4	1	-	-	-	-	8
Education of Multiply Handicapped		16	7	2	4	-	1	-	-	2
Educational Psychology		19	6	5	1	-	-	-	4	3
Preelementary Education		6	2	-	-	-	3	-	-	1
Student Personnel		227	76	14	50	6	4	16	3	58
Educational Administration		57	22	1	5	7	-	6	-	16
Educational Supervision		4	1	1	2	-	-	-	-	-
Reading Education		167	82	6	24	4	6	5	3	37
Art Education		14	7	1	1	1	-	-	-	4
Music Education		8	4	3	-	-	1	-	-	-
Mathematics Education		17	11	-	-	-	-	-	-	6
Science Education		10	3	1	-	-	-	-	-	6
Physical Education		28	16	4	2	-	-	1	1	4
Health Education		3	1	-	-	-	-	1	1	-
Business/Commerce/Distributive Ed.		10	6	1	-	-	-	-	-	3
Industrial Arts Vo-Tech. Education		25	12	-	3	-	1	-	-	9
Early Childhood Education		9	5	-	-	-	-	1	-	3
School Psychology		12	2	1	1	-	-	-	-	8
Instructional Media		13	3	-	3	-	-	-	-	7
Biology Education		4	-	-	1	-	-	-	1	2
English Education		20	7	2	1	-	-	2	1	7
Earth/Space Science Education		6	1	-	3	-	-	-	-	2
Chemistry Education		2	1	-	-	-	-	-	1	-
Physics Education		1	1	-	-	-	-	-	-	-
Social Studies Education		9	5	1	-	-	-	-	-	3
Home Economics Education		25	17	1	1	-	-	1	-	5
Other		10	3	1	1	1	-	-	-	4
FINE AND APPLIED ARTS	Total	29	7	6	1	-	-	3	1	11
Painting/Drawing/Sculpture		17	2	3	1	-	-	3	1	7
Music (Performing, Comp. Theory)		2	1	1	-	-	-	-	-	-
Music (Liberal Arts Program)		10	4	2	-	-	-	-	-	4
FOREIGN LANGUAGES	Total	13	4	1	-	-	2	-	-	6
Foreign Languages, General		1	-	-	-	-	1	-	-	-
French		2	-	1	-	-	-	-	-	1
German		3	1	-	-	-	-	-	-	2
Spanish		4	2	-	-	-	1	-	-	1
Latin		3	1	-	-	-	-	-	-	2

Table 31.1

Employment Status by Degree Field for Master's Degree Recipients for the State Colleges and University in Pennsylvania, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
HEALTH PROFESSIONS	Total	33	17	5	1	-	2	-	1	7
Nursing		8	4	-	1	-	-	-	-	3
Speech Pathology, Audiology		10	5	2	-	-	2	-	-	1
Clinical Social Work		15	8	3	-	-	-	-	1	3
INTERDISCIPLINARY STUDIES	Total	21	4	4	1	1	-	1	-	10
Humanities		5	1	2	-	-	-	-	-	2
Other		16	3	2	1	1	-	1	-	8
LETTERS	Total	55	10	13	3	-	-	2	2	25
Letters, General		51	7	13	3	-	-	2	2	24
Speech/Debate/Forensics		2	1	-	-	-	-	-	-	1
Teaching of English as Foreign Language		2	2	-	-	-	-	-	-	-
LIBRARY SCIENCE	Total	29	4	2	2	1	2	3	-	15
Library Science, General		29	4	2	2	1	2	3	-	15
MATHEMATICS	Total	14	6	4	-	-	-	-	-	4
Mathematics, General		14	6	4	-	-	-	-	-	4
PHYSICAL SCIENCES	Total	24	7	2	2	1	-	3	2	7
Physical Sciences, General		1	-	-	-	-	-	1	-	-
Physics, General		4	1	-	-	-	-	1	-	2
Chemistry, General		7	1	1	-	-	-	1	1	3
Geology		2	2	-	-	-	-	-	-	-
Earth Sciences, General		10	3	1	2	1	-	-	1	2
PSYCHOLOGY	Total	56	22	5	3	1	-	-	3	22
Psychology, General		40	11	4	1	1	-	-	3	20
Clinical Psychology		6	2	1	1	-	-	-	-	2
Social Psychology		10	9	-	1	-	-	-	-	-
PUBLIC AFFAIRS AND SERVICES	Total	43	4	6	1	11	-	1	-	20
Public Administration		41	4	5	1	11	-	1	-	19
Parks, Recreation Management		2	-	1	-	-	-	-	-	1
SOCIAL SCIENCES	Total	71	11	20	9	2	-	3	3	23
Social Sciences, General		11	3	1	2	-	-	1	-	4
History		17	4	3	2	1	-	1	1	5
Geography		12	-	2	4	-	-	-	1	5
Political Science and Government		12	3	2	1	1	-	1	-	4
Sociology		3	-	1	-	-	-	-	1	1
Criminology		16	1	11	-	-	-	-	-	4

Table 31.2

Employment Status by Degree Field for Master's Degree
Recipients for the State-Related Institutions in Pennsylvania, 1980

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
AGRICULTURE AND NATURAL RESOURCES	Total	54	6	5	-	1	-	2	6	34
Agriculture, General		7	1	-	-	-	-	1	2	3
Animal Science		10	2	-	-	-	-	-	1	7
Dairy Science		2	-	1	-	-	-	-	-	1
Fish, Game, Wildlife Management		1	-	-	-	-	-	-	-	1
Horticulture		8	-	-	-	-	-	1	2	5
Agricultural Economics		10	-	1	-	-	-	-	-	9
Food Science and Technology		7	-	2	-	-	-	-	1	4
Natural Resources Management		9	3	1	-	1	-	-	-	4
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	29	4	1	1	1	-	2	1	19
Architecture		7	-	-	-	-	-	-	-	7
City, Community, Regional Planning		22	4	1	1	1	-	2	1	12
AREA STUDIES	Total	5	1	-	-	-	1	-	1	2
Asian Studies, General		5	1	-	-	-	1	-	1	2
BIOLOGICAL SCIENCES	Total	82	7	10	2	-	-	3	21	39
Biology, General		10	2	-	-	-	-	2	2	4
Botany, General		2	-	-	-	-	-	-	-	2
Plant Pathology		14	-	2	1	-	-	-	2	9
Pharmacology		4	-	1	-	-	-	-	2	1
Physiology		7	-	-	-	-	-	-	4	3
Microbiology		10	2	2	-	-	-	-	1	5
Biochemistry		7	1	-	-	-	-	-	3	3
Biophysics		5	-	1	-	-	-	-	2	2
Biometrics and Biostatics		1	-	-	-	-	-	-	-	1
Ecology		7	-	1	-	-	-	-	1	5
Entomology		4	-	1	-	-	-	1	-	2
Genetics		4	-	-	-	-	-	-	3	1
Biophysics/Microbiology		1	-	1	-	-	-	-	-	-
Other		6	2	1	1	-	-	-	1	1
BUSINESS AND MANAGEMENT	Total	626	236	33	11	1	2	11	8	324
Accounting		33	14	2	-	-	-	1	-	16
Business Statistics		9	2	1	-	-	-	-	2	4
Banking and Finance		43	9	2	1	-	-	1	1	29
Business Management and Administration		490	197	25	4	1	1	7	5	250
Operations Research		4	3	-	-	-	-	-	-	1
Marketing and Purchasing		22	6	2	3	-	-	-	-	11
Real Estate		1	-	-	1	-	-	-	-	-
Insurance		2	1	-	-	-	-	-	-	1
International Business		6	1	-	1	-	-	1	-	3
Labor and Industrial Relations		12	3	1	1	-	1	1	-	5
Business Economics		3	-	-	-	-	-	-	-	3
Actuarial Services		1	-	-	-	-	-	-	-	1
COMMUNICATIONS	Total	17	2	3	-	-	1	-	1	10
Communications, General		1	-	-	-	-	-	-	-	1
Journalism (Printed Media)		12	1	3	-	-	1	-	1	6
Radio/Television		1	-	-	-	-	-	-	-	1
Other		3	1	-	-	-	-	-	-	2
COMPUTER AND INFORMATION SCIENCES	Total	101	36	8	-	1	-	3	6	47
Computer and Information Sciences, Gen.		56	12	8	-	1	-	1	4	30
Information Sciences and Systems		45	24	-	-	-	-	2	2	17

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for the State-Related Institutions in Pennsylvania, 1980
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
EDUCATION	Total	1,277	243	51	17	5	24	18	19	900
Education, General		44	11	-	1	-	1	-	-	31
Elementary Education, General		172	26	2	1	-	5	1	2	135
Secondary Education, General		56	7	-	-	-	1	-	-	48
Junior High School Education		1	-	-	-	-	-	-	-	1
Higher Education, General		4	-	-	-	-	-	-	1	3
Adult and Continuing Education		1	1	-	-	-	-	-	-	-
Special Education, General		184	47	2	-	-	1	1	-	133
Education of the Mentally Retarded		25	5	2	-	-	2	1	-	15
Speech Correction		44	12	15	-	1	1	1	-	14
Special Learning Disabilities		28	-	-	-	-	-	-	-	28
Social Foundation of Education		9	-	-	-	-	-	-	-	9
Educational Psychology		39	6	1	4	1	-	-	5	22
Educational Statistics and Research		5	-	-	-	-	-	-	-	5
Student Personnel		99	15	7	3	-	1	4	-	69
Educational Administration		28	4	1	-	1	1	1	1	19
Educational Supervision		25	-	-	-	-	-	-	-	25
Curriculum and Instruction		44	8	3	1	1	3	2	2	24
Reading Education		126	18	4	2	-	3	2	-	97
Art Education		29	6	2	-	-	2	-	1	18
Music Education		18	5	1	-	1	-	2	1	8
Mathematics Education		12	5	-	-	-	1	-	-	6
Science Education		8	2	1	1	-	-	-	1	3
Physical Education		70	11	6	1	-	-	2	1	49
Health Education		7	-	-	-	-	-	-	-	7
Business/Commerce/Distributive Education		27	4	1	1	-	-	-	-	21
Industrial Arts, Vo-Tech Education		38	20	-	-	-	1	-	1	16
Social Studies Education		5	-	-	-	-	-	-	-	5
Early Childhood Education		12	10	-	-	-	1	-	-	1
School Psychology		14	1	-	1	-	-	-	3	9
Instructional Media		20	6	1	1	-	-	-	-	12
Urban Education		6	1	-	-	-	-	1	-	4
Health, Physical, Recreational Education		17	7	-	-	-	-	-	-	10
Home Economics Education		3	-	-	-	-	-	-	-	3
Nursing Education		1	-	-	-	-	-	-	-	1
Other		56	5	2	-	-	-	-	-	49
ENGINEERING	Total	336	65	28	2	-	1	11	22	207
Aerospace Engineering		6	-	2	-	-	-	-	-	4
Agricultural Engineering		4	1	1	-	-	-	-	-	2
Architectural Engineering		11	2	1	-	-	-	-	-	8
Bio and Biomedical Engineering		4	-	1	-	-	-	-	-	3
Chemical Engineering		29	5	2	-	-	-	2	4	16
Petroleum Engineering		10	-	1	-	-	-	-	1	8
Civil/Construction/Transport Engineering		57	5	6	-	-	-	3	3	40
Electrical/Electronics/Communications Eng.		24	11	2	-	-	-	2	2	7
Mechanical Engineering		49	14	5	-	-	-	1	3	26
Industrial/Management Engineering		54	9	1	2	-	1	2	-	39
Metallurgical Engineering		8	6	-	-	-	-	-	2	-
Materials Engineering		2	-	-	-	-	-	-	1	1
Ceramic Engineering		2	-	-	-	-	-	-	1	1
Mining and Mineral Engineering		28	4	3	-	-	-	1	-	20
Nuclear Engineering		10	-	1	-	-	-	-	1	8
Engineering Mechanics		3	1	-	-	-	-	-	1	1
Environmental/Sanitary Engineering		3	-	-	-	-	-	-	-	3
Engineering Technology		7	-	1	-	-	-	-	3	3
Other		25	7	1	-	-	-	-	-	17
FINE AND APPLIED ARTS	Total	110	9	2	2	1	6	1	1	88
Printing, Drawing, Sculpture		27	2	-	-	-	-	-	-	25
Art History and Appreciation		11	1	-	1	-	-	-	-	9
Music (Performing, Comp. Theory)		30	5	1	-	1	4	-	-	19
Music (Liberal Arts Program)		2	-	-	-	-	-	-	-	2
Music History and Appreciation		2	1	-	-	-	-	-	-	1
Dramatic Arts		22	-	1	-	-	1	1	1	18
Applied Design Multimedia		1	-	-	-	-	-	-	-	1
Photography		5	-	-	-	-	-	-	-	5
Opera		3	-	-	1	-	-	-	-	2
Printmaking		7	-	-	-	-	1	-	-	6

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for the State-Related Institutions in Pennsylvania, 1980
(continued)

			Employed in Field Prepared		Employed in Other Field					
HEGIS Degree Field		Total	In Pa.	Outside Pa.	In Pa.	Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
FOREIGN LANGUAGES	Total	44	-	3	1	-	2	1	3	34
French		11	-	1	-	-	-	-	2	8
German		7	-	-	-	-	1	-	1	5
Italian		1	-	-	-	-	-	-	-	1
Spanish		17	-	2	1	-	1	-	-	13
Slavic Languages		8	-	-	-	-	-	1	-	7
HEALTH PROFESSIONS	Total	386	13	8	-	-	-	1	2	362
Health Professions, General		26	-	-	-	-	-	-	-	26
Hospital, Health Care Administration		26	3	1	-	-	-	1	1	20
Nursing		89	5	1	-	-	-	-	-	83
Dental Specialties		17	1	2	-	-	-	-	1	13
Pharmacy		5	-	-	-	-	-	-	-	5
Public Health		155	-	-	-	-	-	-	-	155
Speech Pathology, Audiology		42	-	-	-	-	-	-	-	42
Medical Lab. Technologies		2	1	-	-	-	-	-	-	1
Radiologic Technologies		10	3	3	-	-	-	-	-	4
Other		14	-	1	-	-	-	-	-	13
HOME ECONOMICS	Total	24	2	1	-	-	-	2	6	13
Family Relations and Child Development		6	-	-	-	-	-	-	4	2
Foods and Nutrition		18	2	1	-	-	-	2	2	11
INTERDISCIPLINARY STUDIES	Total	50	17	3	3	-	-	1	3	23
Psycho-Biology		1	-	-	-	-	-	-	-	1
Other		49	17	3	3	-	-	1	3	22
LAW	Total	2	-	-	-	-	-	-	2	-
Law, General		2	-	-	-	-	-	-	2	-
LETTERS	Total	101	4	1	1	1	-	1	11	82
English, General		33	2	-	1	-	-	-	1	29
Comparative Literature		3	-	-	-	-	-	-	-	3
Classics		3	1	-	-	-	-	-	2	-
Linguistics		14	-	-	-	-	-	-	1	13
Speech/Debate/Forensics		24	1	1	-	1	-	1	2	18
Philosophy		9	-	-	-	-	-	-	1	8
Religious Studies		12	-	-	-	-	-	-	4	8
Other		3	-	-	-	-	-	-	-	3
LIBRARY SCIENCE	Total	126	18	-	-	-	-	11	-	97
Library Science, General		126	18	-	-	-	-	11	-	97
MATHEMATICS	Total	32	6	3	-	2	1	3	3	14
Mathematics, General		26	6	2	-	2	-	3	3	10
Statistics		6	-	1	-	-	1	-	-	4
PHYSICAL SCIENCES	Total	110	22	11	-	1	-	-	16	60
Physical Sciences, General		1	-	-	-	-	-	-	-	1
Physics, General		15	2	-	-	-	-	-	6	7
Chemistry, General		31	17	1	-	1	-	-	1	11
Pharmaceutical Chemistry		3	-	1	-	-	-	-	-	2
Astronomy		3	-	-	-	-	-	-	1	2
Atmospheric Science/Meteorology		18	-	5	-	-	-	-	1	12
Geology		17	3	2	-	-	-	-	2	10
Geophysics/Seismology		6	-	1	-	-	-	-	-	5
Earth Sciences, General		1	-	-	-	-	-	-	-	1
Metallurgy		7	-	-	-	-	-	-	2	5
Other		8	-	1	-	-	-	-	3	4

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for the State-Related Institutions in Pennsylvania, 1980

(continued)

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
PSYCHOLOGY	Total	72	13	5	-	-	2	3	14	35
Psychology, General		38	6	1	-	-	1	2	6	22
Experimental Psychology		2	-	1	-	-	-	-	-	1
Clinical Psychology		10	1	-	-	-	-	-	6	3
Psychology for Counseling		6	2	2	-	-	-	1	-	1
Social Psychology		12	4	-	-	-	1	-	1	6
Developmental Psychology		1	-	-	-	-	-	-	1	-
Other		3	-	1	-	-	-	-	-	2
PUBLIC AFFAIRS AND SERVICES	Total	625	77	21	12	1	6	13	3	492
Community Services, General		10	1	1	-	-	-	1	-	7
Public Administration		223	33	12	11	1	1	7	1	157
Parks		96	3	4	-	-	-	1	-	88
Social Work		241	39	4	1	-	5	4	1	187
Law Enforcement/Corrections		13	-	-	-	-	-	-	-	13
International Public Service		36	-	-	-	-	-	-	-	36
Other		6	1	-	-	-	-	-	1	4
SOCIAL SCIENCES	Total	96	7	3	1	1	2	-	12	70
Anthropology		14	-	1	-	-	-	-	5	8
Economics		26	1	-	-	1	1	-	-	23
History		20	2	1	1	-	1	-	2	13
Geography		10	1	1	-	-	-	-	2	6
Political Sciences/Government		16	1	-	-	-	-	-	3	12
Sociology		7	1	-	-	-	-	-	-	6
Other		3	1	-	-	-	-	-	-	2

Table 31.3

Employment Status by Degree Field for Master's Degree Recipients for the State-Aided Institutions in Pennsylvania, 1980

HEGIS DEGREE FIELD		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
BIOLOGICAL SCIENCES	Total	36	13	7	-	1	-	-	15	-
Pathology		5	3	-	-	-	-	-	2	-
Pharmacology		2	-	-	-	-	-	-	2	-
Physiology		3	-	-	-	-	-	-	3	-
Microbiology		21	9	6	-	-	-	-	6	-
Anatomy		1	-	-	-	-	-	-	1	-
Biochemistry		4	1	1	-	1	-	-	1	-
EDUCATION	Total	15	5	3	-	-	-	1	3	3
Art Education		4	1	-	-	-	-	-	-	3
Music Education		11	4	3	-	-	-	1	3	-
HEALTH PROFESSIONS	Total	9	8	1	-	-	-	-	-	-
Speech Pathology, Audiology		9	8	1	-	-	-	-	-	-
PSYCHOLOGY	Total	45	21	15	1	-	3	1	3	1
Clinical Psychology		2	-	-	-	-	-	-	2	-
Other		43	21	15	1	-	3	1	1	1

Table 31.4

Employment Status by Degree Field for Master's Degree Recipients for the Private Institutions in Pennsylvania, 1980

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	10	5	1	-	-	-	-	-	4
Architecture		10	5	1	-	-	-	-	-	4
AREA STUDIES	Total	2	-	-	-	-	-	-	2	-
African Studies		2	-	-	-	-	-	-	2	-
BIOLOGICAL SCIENCES	Total	25	7	6	-	-	5	-	1	6
Biology, General		12	4	-	-	-	5	-	-	3
Biochemistry		3	-	1	-	-	-	-	1	1
Biometrics/Biostatics		1	-	1	-	-	-	-	-	-
Toxicology		7	3	4	-	-	-	-	-	-
Other		2	-	-	-	-	-	-	-	2
BUSINESS AND MANAGEMENT	Total	404	152	116	3	11	8	11	27	76
Business and Commerce, General		79	20	22	-	11	-	1	-	25
Accounting		12	4	1	-	-	-	-	3	4
Banking and Finance		44	14	8	-	-	-	1	1	20
Business Management and Administration		247	111	83	2	-	8	8	10	25
Operations Research		2	-	-	-	-	-	-	2	-
Marketing and Purchasing		10	3	1	1	-	-	1	2	2
Personnel Management		3	-	-	-	-	-	-	3	-
Business Economics		6	-	1	-	-	-	-	5	-
Other		1	-	-	-	-	-	-	1	-
COMPUTER AND INFORMATION SCIENCE	Total	9	1	1	-	-	-	-	7	-
Computer and Information Science, Gen.		8	1	-	-	-	-	-	7	-
Systems Analysis		1	-	1	-	-	-	-	-	-
EDUCATION	Total	322	174	42	14	12	3	1	16	60
Education, General		9	2	-	2	3	-	-	2	-
Elementary Education, General		21	6	4	-	1	-	-	-	10
Secondary Education, General		7	2	3	1	-	-	-	-	1
Education of Multiply Handicapped		23	15	1	-	-	-	-	2	5
Educational Testing, Evaluation, Measurement		22	12	9	-	-	-	-	1	-
Student Personnel		108	71	10	11	-	2	-	9	5
Educational Administration		38	12	7	-	1	-	-	-	18
Reading Education		48	32	4	-	6	1	-	-	5
Music Education (Methods and Theory)		11	5	-	-	-	-	-	-	6
Mathematics Education		2	-	-	-	-	-	-	-	2
Science Education		15	10	4	-	-	-	-	-	1
English Education		11	6	-	-	-	-	-	1	4
Chemistry Education		1	-	-	-	-	-	-	-	1
Social Studies Education		6	1	-	-	1	-	1	1	2
ENGINEERING	Total	159	40	57	-	-	-	1	25	36
Engineering, General		20	20	-	-	-	-	-	-	-
Bio and Biomedical Engineering		2	1	-	-	-	-	-	1	-
Chemical Engineering		34	8	17	-	-	-	1	5	3
Civil, Construction, Transport. Engineering		12	1	5	-	-	-	-	4	2
Electrical, Electronics, Communication Eng.		48	6	16	-	-	-	-	8	18
Mechanical Engineering		6	1	1	-	-	-	-	2	2
Industrial/Management Education		10	-	8	-	-	-	-	-	2
Metallurgical Engineering		9	1	4	-	-	-	-	1	3
Engineering Physics		1	-	-	-	-	-	-	-	1
Other		17	2	6	-	-	-	-	4	5
FINE AND APPLIED ARTS	Total	41	7	5	-	-	-	-	-	29
Art (Painting, Drawing, Sculpture)		3	-	-	-	-	-	-	-	3
Music (Performing, Comp. Theory)		25	7	-	-	-	-	-	-	18
Dramatic Arts		12	-	5	-	-	-	-	-	7
Applied Design, Multimedia		1	-	-	-	-	-	-	-	1

Table 31.4

Employment Status by Degree Field for Master's Degree Recipients for the Private Institutions in Pennsylvania, 1980 (continued)

			Employed in Field Prepared		Employed in Other Field					
HEGIS Degree Field		Total	In Pa.	Outside Pa.	In Pa.	Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
FOREIGN LANGUAGES	Total	3	-	3	-	-	-	-	-	-
German		1	-	1	-	-	-	-	-	-
Spanish		2	-	2	-	-	-	-	-	-
HEALTH PROFESSIONS	Total	63	45	13	-	-	-	3	1	1
Nursing		7	7	-	-	-	-	-	-	-
Pharmacy		17	7	8	-	-	-	1	1	-
Clinical Social Work		39	31	5	-	-	-	2	-	1
LAW	Total	194	27	45	-	-	-	-	-	122
Law, General		194	27	45	-	-	-	-	-	122
LETTERS	Total	39	18	6	-	3	1	-	4	7
English, General		2	2	-	-	-	-	-	-	-
Literature, English		24	11	-	-	3	1	-	2	7
Comparative Literature		1	-	1	-	-	-	-	-	-
Philosophy		8	3	5	-	-	-	-	-	-
Religious Studies		4	2	-	-	-	-	-	2	-
LIBRARY SCIENCE	Total	5	3	-	-	-	-	-	-	2
Library Science, General		5	3	-	-	-	-	-	-	2
MATHEMATICS	Total	19	3	3	-	-	-	-	8	5
Mathematics, General		12	1	2	-	-	-	-	5	4
Statistics		5	1	-	-	-	-	-	3	1
Applied Mathematics		2	1	1	-	-	-	-	-	-
PHYSICAL SCIENCES	Total	39	12	9	-	-	1	-	10	7
Physics, General		9	-	3	-	-	-	-	4	2
Chemistry, General		26	12	6	-	-	1	-	2	5
Pharmaceutical Chemistry		4	-	-	-	-	-	-	4	-
PSYCHOLOGY	Total	39	21	5	-	-	-	-	1	12
Psychology, General		39	21	5	-	-	-	-	1	12
PUBLIC AFFAIRS AND SERVICES	Total	37	14	18	-	-	-	-	3	2
Public Administration		35	12	18	-	-	-	-	3	2
Law Enforcement/Corrections		2	2	-	-	-	-	-	-	-
SOCIAL SCIENCES	Total	38	15	6	2	-	-	1	[illegible]	12
Social Sciences, General		2	-	-	-	-	-	-	-	2
Economics		2	-	-	-	-	-	-	-	2
History		14	6	-	2	-	-	-	1	5
Geography		4	2	1	-	-	-	1	-	-
Political Science and Government		3	-	2	-	-	-	-	1	-
Sociology		11	5	3	-	-	-	-	-	3
Urban Studies		2	2	-	-	-	-	-	-	-
THEOLOGY	Total	44	25	-	-	-	-	-	2	17
Theological Professions, General		38	21	-	-	-	-	-	-	17
Biblical Languages		2	-	-	-	-	-	-	2	-
Religious Education		4	4	-	-	-	-	-	-	-

Table 32.0

Employment Status by Degree Field for Doctoral Degree Recipients for All Institutions in Pennsylvania, 1980

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
AGRICULTURE AND NATURAL RESOURCES	**Total**	19	1	4	-	-	-	-	-	14
Agronomy		4	-	1	-	-	-	-	-	3
Animal Science		3	-	1	-	-	-	-	-	2
Dairy Science		2	-	-	-	-	-	-	-	2
Horticulture		1	-	-	-	-	-	-	-	1
Agricultural Economics		3	-	1	-	-	-	-	-	2
Food Science and Technology		4	-	-	-	-	-	-	-	4
Natural Resources Management		2	1	1	-	-	-	-	-	-
ARCHITECTURE AND ENVIRONMENTAL DESIGN	**Total**	1	-	1	-	-	-	-	-	-
Architecture		1	-	1	-	-	-	-	-	-
BIOLOGICAL SCIENCES	**Total**	88	15	26	-	-	1	-	7	39
Biology, General		9	3	1	-	-	1	-	-	4
Botany, General		1	-	-	-	-	-	-	-	1
Plant Pathology		6	-	4	-	-	-	-	-	2
Zoology, General		1	-	-	-	-	-	-	-	1
Pathology		9	5	3	-	-	-	-	-	1
Pharmacology		13	3	4	-	-	-	-	4	2
Physiology		11	-	2	-	-	-	-	1	8
Microbiology		7	1	3	-	-	-	-	-	3
Anatomy		6	1	2	-	-	-	-	1	2
Biochemistry		12	2	6	-	-	-	-	-	4
Biophysics		-	-	-	-	-	-	-	-	-
Biometrics and Biostatics		2	-	-	-	-	-	-	-	2
Ecology		3	-	1	-	-	-	-	1	1
Entomology		1	-	-	-	-	-	-	-	1
Genetics		3	-	-	-	-	-	-	-	3
Biophysics and Microbiology		3	-	-	-	-	-	-	-	3
Other		1	-	-	-	-	-	-	-	1
BUSINESS AND MANAGEMENT	**Total**	22	2	8	-	-	-	-	-	12
Business Statistics		3	1	-	-	-	-	-	-	2
Business Management and Administration		18	1	8	-	-	-	-	-	9
Marketing and Purchasing		1	-	-	-	-	-	-	-	1
COMMUNICATIONS	**Total**	2	1	-	-	-	-	-	-	1
Communications, General		2	1	-	-	-	-	-	-	1
COMPUTER AND INFORMATION SCIENCES	**Total**	8	2	3	-	-	-	-	-	3
Computer and Information Science, General		8	2	3	-	-	-	-	-	3
Information Sciences and Systems		-	-	-	-	-	-	-	-	-
EDUCATION	**Total**	278	68	51	6	2	5	7	2	137
Education, General		-	-	-	-	-	-	-	-	-
Elementary Education, General		9	4	-	1	-	-	-	-	4
Secondary Education, General		6	3	-	-	-	-	-	-	3
Higher Education, General		9	3	1	-	-	-	1	-	4
Special Education, General		12	4	-	1	-	-	-	-	7
Education of the Mentally Retarded		1	-	-	-	-	-	-	-	1
Speech Correction		1	-	1	-	-	-	-	-	-
Special Learning Disabilities		-	-	-	-	-	-	-	-	-
Social Foundations of Education		1	-	-	-	1	-	-	-	-
Educational Psychology		24	4	6	1	-	2	-	-	11
Educational Statistics and Research		-	-	-	-	-	-	-	-	-
Student Personnel		12	1	1	1	1	-	-	-	8
Educational Administration		27	8	4	-	-	1	1	1	12
Educational Supervision		-	-	-	-	-	-	-	-	-
Curriculum and Instruction		39	10	5	1	-	-	1	1	21
Reading Education		4	1	1	-	-	-	-	-	2
Art Education		9	-	4	-	-	-	-	-	5
Music Education		9	4	2	-	-	-	1	-	2
Mathematics Education		2	-	-	-	-	-	-	-	2
Science Education		7	4	-	-	-	-	-	-	3
Physical Education		14	2	-	-	-	-	-	-	12
Business/Commerce/Distributive Education		6	1	2	1	-	-	-	-	2
Industrial Arts, Vo-Tech Education		21	6	3	-	-	1	-	-	11
Social Studies Education		7	2	4	-	-	-	1	-	-
Early Childhood Education		6	2	-	-	-	1	-	-	3
School Psychologist		7	1	1	-	-	-	-	-	5
Instructional Media		1	-	-	-	-	-	-	-	1
Urban Education		17	4	6	-	-	-	-	-	7
Health/Physical, Recreational Ed.		7	1	2	-	-	-	1	-	3
English Education		6	1	2	-	-	-	1	-	2
Other		14	2	6	-	-	-	-	-	6

Table 32.0

Employment Status By Degree Field for Doctoral Degree Recipients for All Institutions in Pennsylvania, 1980 (continued)

			Employed in Field Prepared		Employed in Other Field					
HEGIS Degree Field		Total	In Pa.	Outside Pa.	In Pa.	Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
ENGINEERING	Total	80	10	27	-	1	-	-	-	42
Aerospace Engineering		3	3	-	-	-	-	-	-	-
Agricultural Engineering		1	-	-	-	-	-	-	-	1
Chemical Engineering		13	-	6	-	-	-	-	-	7
Petroleum Engineering		3	-	1	-	-	-	-	-	2
Civil/Construction/Transportation Eng.		10	1	3	-	-	-	-	-	6
Electrical/Electronics/Communication Eng.		13	3	6	-	-	-	-	-	4
Mechanical Engineering		4	-	2	-	1	-	-	-	1
Industrial/Management Engineering		6	1	-	-	-	-	-	-	5
Metallurgical Engineering		6	1	4	-	-	-	-	-	1
Materials Engineering		1	-	-	-	-	-	-	-	1
Ceramic Engineering		3	-	1	-	-	-	-	-	2
Mining/Mineral Engineering		1	-	1	-	-	-	-	-	-
Nuclear Engineering		2	1	-	-	-	-	-	-	1
Engineering Technology		3	-	-	-	-	-	-	-	3
Other		11	-	3	-	-	-	-	-	8
FINE AND APPLIED ARTS	Total	5	1	1	-	-	-	1	-	2
Art History and Appreciation		4	1	1	-	-	-	1	-	1
Music (Performing, Comp., Theory)		1	-	-	-	-	-	-	-	1
Music (Liberal Arts Program)		-	-	-	-	-	-	-	-	-
FOREIGN LANGUAGES	Total	6	1	-	-	-	-	1	-	4
French		1	-	-	-	-	-	-	-	1
German		3	-	-	-	-	-	1	-	2
Spanish		2	1	-	-	-	-	-	-	1
Slavic Languages		-	-	-	-	-	-	-	-	-
HEALTH PROFESSIONS	Total	112	12	14	-	-	1	-	3	82
Nursing		-	-	-	-	-	-	-	-	-
Dental Specialties		-	-	-	-	-	-	-	-	-
Medicine		96	9	9	-	-	-	-	3	75
Pharmacy		9	2	5	-	-	1	-	-	1
Public Health		-	-	-	-	-	-	-	-	-
Speech Pathology and Audiology		4	1	-	-	-	-	-	-	3
Other		3	-	-	-	-	-	-	-	3
HOME ECONOMICS	Total	15	-	4	-	-	-	1	-	10
Family Relations		12	-	4	-	-	-	1	-	7
Foods and Nutrition		3	-	-	-	-	-	-	-	3
INTERDISCIPLINARY STUDIES	Total	6	2	1	-	-	-	-	-	3
Other		6	2	1	-	-	-	-	-	3
LETTERS	Total	68	6	15	-	-	4	1	-	42
English, General		30	2	11	-	-	3	-	-	14
Literature, General		2	2	-	-	-	-	-	-	-
Comparative Literature		1	-	-	-	-	-	-	-	1
Classics		-	-	-	-	-	-	-	-	-
Linguistics		-	-	-	-	-	-	-	-	-
Speech/Debate/Forensics		15	1	-	-	-	-	-	-	14
Philosophy		13	1	4	-	-	-	1	-	7
Religious Studies		7	-	-	-	-	1	-	-	6
MATHEMATICS	Total	17	4	2	-	-	-	1	-	10
Mathematics, General		13	2	2	-	-	-	1	-	8
Statistics		4	2	-	-	-	-	-	-	2

Table 32.0

Employment Status by Degree Field for Doctoral Degree Recipients for All Institutions in Pennsylvania, 1980 (continued)

			Employed in Field Prepared		Employed in Other Field					
HEGIS Degree Field		Total	In Pa.	Outside Pa.	In Pa.	Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
PHYSICAL SCIENCES	Total	79	9	19	1	1	-	-	1	48
Physics, General		28	2	9	1	-	-	-	-	16
Chemistry, General		29	5	6	-	-	-	-	-	18
Inorganic Chemistry		2	-	1	-	-	-	-	-	1
Organic Chemistry		2	-	1	-	1	-	-	-	-
Pharmaceutical Chemistry		1	-	-	-	-	-	-	-	1
Astronomy		2	-	1	-	-	-	-	-	1
Atmospheric Science, Meteorology		1	-	-	-	-	-	-	-	1
Geology		2	-	-	-	-	-	-	-	2
Geochemistry		2	-	1	-	-	-	-	-	1
Geophysics and Seismology		3	-	-	-	-	-	-	-	3
Earth Sciences, General		3	1	-	-	-	-	-	-	1
Metallurgy		3	1	-	-	-	-	-	-	2
Other		1	-	-	-	-	-	-	-	1
PSYCHOLOGY	Total	43	6	12	-	-	1	-	-	24
Psychology, General		25	5	7	-	-	1	-	-	12
Experimental Psychology		2	-	-	-	-	-	-	-	2
Clinical Psychology		8	1	4	-	-	-	-	-	3
Social Psychology		2	-	-	-	-	-	-	-	2
Developmental Psychology		2	-	-	-	-	-	-	-	2
Other		4	-	1	-	-	-	-	-	3
PUBLIC AFFAIRS AND SERVICES	Total	7	1	3	-	-	-	-	-	3
Community Services, General		2	-	-	-	-	-	-	-	2
Public Administration		3	-	2	-	-	-	-	-	1
Social Work		-	-	-	-	-	-	-	-	-
International Public Services		-	-	-	-	-	-	-	-	-
Others		2	1	1	-	-	-	-	-	-
SOCIAL SCIENCES	Total	43	14	4	-	-	-	1	-	24
Anthropology		7	1	1	-	-	-	1	-	4
Economics		5	1	-	-	-	-	-	-	4
History		6	3	-	-	-	-	-	-	3
Geography		1	-	-	-	-	-	-	-	1
Political Science/Government		8	2	1	-	-	-	-	-	5
Sociology		8	1	2	-	-	-	-	-	5
Other		8	6	-	-	-	-	-	-	2

Table 33.0

Employment Status by Degree Field for Associate Degree Graduates for All Institutions, 1980

			Employed in Field Prepared		Employed in Other Field					
HEGIS Degree Field		Total	In Pa.	Outside Pa.	In Pa.	Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
ARTS AND SCIENCE TRANSFERS	Total	3,079	257	13	165	13	76	72	1,065	1,418
Arts and Science Transfers		3,079	257	13	165	13	76	72	1,065	1,418
BUSINESS AND COMMERCE TECHNOLOGIES	Total	3,645	1,634	185	217	18	75	173	307	1,036
Business/Commerce Tech., Gen.		777	257	33	60	2	12	47	111	255
Accounting Technologies		582	247	15	32	-	13	35	65	17[illegible]
Banking and Finance Technologies		23	10	-	-	-	1	-	2	1[illegible]
Marketing, Distribution, Purchasing, Business & Industrial Mgt. Technologies		477	135	5	42	3	11	21	43	217
Secretarial Technologies		879	602	29	26	1	11	31	17	164
Personal Service Technologies		23	6	2	-	-	1	4	5	5
Photography Technologies		137	63	23	9	2	4	6	4	26
Communications/Broadcasting Tech.		73	19	1	9	-	2	6	8	28
Hotel/Restaurant Management Tech.		100	24	1	4	2	4	2	8	55
Transportation and Public Utility Tech.		46	27	7	6	2	-	-	2	2
Applied/Graphic/Fine Arts Tech.		367	16[illegible]	60	21	4	13	18	33	56
Other		161	82	9	10	2	3	3	9	43
DATA PROCESSING TECHNOLOGIES	Total	772	350	74	37	1	9	69	54	178
Data Processing Tech., Gen.		431	215	6	24	-	7	54	36	89
Computer Programmer Technologies		184	61	18	4	-	2	9	12	78
Computer Operator/Equipment Tech.		57	31	-	9	1	-	-	6	10
Data Processing/Equipment Maint. Tech.		10	5	4	-	-	-	-	-	1
Other		90	38	46	-	-	-	6	-	-
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	2,611	1,199	118	38	4	108	60	145	939
Health Services Assistant Tech., Gen.		31	10	5	-	-	2	2	1	11
Dental Assistant Technologies		119	41	-	-	-	1	3	7	67
Dental Hygiene Technologies		116	37	-	-	-	5	1	2	71
Dental Laboratory Technologies		21	15	-	-	1	-	2	-	3
Medical/Biological Lab. Assistant Tech.		156	58	-	6	-	3	7	14	68
Radiologic Technologies		131	88	24	-	-	2	2	2	13
Nursing, R.N.		894	425	52	3	1	47	12	42	312
Nursing, Practical		457	241	7	3	-	17	8	43	138
Occupational Therapy Technologies		35	21	4	-	-	5	-	2	3
Surgical Technologies		7	6	-	-	-	-	-	1	-
Optical Technologies		10	5	1	1	-	-	1	-	2
Medical Record Technologies		43	15	-	1	1	3	2	-	21
Medical & Medical Office Asst. Tech.		196	73	6	16	1	6	9	7	78
Inhalation Therapy Technologies		120	54	9	1	-	4	-	7	45
Psychiatric Technologies		110	16	-	3	-	11	2	11	67
Electro Diagnostic Technologies		-	-	-	-	-	-	-	-	-
Physical Therapy Technologies		32	25	4	1	-	-	1	-	1
Other		133	69	6	3	-	2	8	6	39
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	2,243	848	283	136	10	21	89	232	624
Mechanical & Engineering Tech., Gen.		243	66	15	6	-	2	6	57	91
Aeronautical & Aviation Technologies		29	9	-	3	-	4	-	11	2
Engineering Graphics		83	49	6	5	-	1	4	4	14
Architectural Drafting Techologies		154	58	11	12	2	4	10	34	23
Chemical Technologies		30	15	4	-	-	-	2	4	5
Automotive Technologies		104	69	9	12	-	1	2	7	4
Diesel Technologies		20	13	-	1	-	-	6	-	-
Welding Technologies		53	26	2	6	-	1	5	2	11
Civil Technologies (Surveying, Photogrammetry)		88	25	13	5	1	-	4	15	25
Electronics and Machine Technologies		489	205	13[illegible]	31	1	1	9	22	81
Electromechanical Technologies		126	65	22	13	-	1	9	7	9
Industrial Technologies		59	24	4	6	2	-	4	1	18
Instrumentation Technologies		1	-	-	-	-	1	-	-	-
Mechanical Technologies		85	41	8	10	-	1	1	6	18
Nuclear Technologies		17	6	2	2	-	-	-	-	7
Construction and Building Technologies		329	68	17	9	2	-	17	8	208
Drafting Technologies		3	3	-	-	-	-	-	-	-
Other		330	106	31	15	2	4	10	54	108

Table 33.0

Employment Status by Degree Field for Associate Degree Graduates for All Institutions, 1980
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
NATURAL SCIENCE TECHNOLOGIES	Total	313	99	15	27	6	13	20	41	92
Natural Science Technologies		4	4	-	-	-	-	-	-	-
Agricultural Technologies		67	22	3	6	2	4	2	5	23
Forestry and Wildlife Technologies		105	23	5	10	4	7	7	21	28
Food Service Technologies		61	20	6	3	-	1	3	5	23
Laboratory Technologies, Gen.		12	6	-	2	-	-	-	1	3
Sanitation/Public Health Inspection Tech.		5	-	-	1	-	-	-	-	4
Other		59	24	1	5	-	1	8	9	11
PUBLIC SERVICE RELATED TECHNOLOGIES	Total	959	216	13	55	4	38	35	116	482
Public Service Technologies, Gen.		29	7	-	-	-	-	-	2	20
Bible Study/Religion Related Occupations		2	2	-	-	-	-	-	-	-
Education Technologies (Teacher Aide, etc.)		281	46	1	9	1	15	15	47	147
Library Assistant Technologies		6	3	-	-	-	1	-	2	-
Police/Law Enforcement/ Corrections Tech.		386	61	-	30	1	9	13	40	232
Recreation/Social Work Related Tech.		84	16	-	4	-	8	4	15	37
Fire Control Technology		74	24	3	7	-	4	1	2	33
Public Administration/Management Tech.		3	3	-	-	-	-	-	-	-
Other		94	54	9	5	2	1	2	8	13

Table 33.1

Employment Status by Degree Field for Associate Degree Graduates for Community Colleges, 1980

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
ARTS AND SCIENCE TRANSFERS	Total	2,643	224	7	134	8	69	56	870	1,275
Arts and Science Transfers		2,643	224	7	134	8	69	56	870	1,275
BUSINESS AND COMMERCE TECHNOLOGIES	Total	1,890	641	20	126	6	42	79	195	781
Business/Commerce Technologies, Gen.		352	111	2	30	2	7	18	51	131
Accounting Technologies		314	93	-	19	-	5	17	45	135
Banking and Finance Technologies		22	10	-	-	-	1	-	2	9
Marketing, Distribution, Purchasing, Business & Industrial Mgt. Technologies		394	87	2	34	1	10	15	41	204
Secretarial Technologies		447	253	6	16	-	7	13	7	145
Personal Service Technologies		23	6	2	-	-	1	4	5	5
Photography Technologies		30	4	-	3	-	1	-	2	20
Communications/Broadcasting Tech.		47	11	-	6	-	1	5	5	19
Hotel/Restaurant Management Tech.		92	22	1	4	2	3	2	8	50
Transportation and Public Utility Technologies		8	2	1	3	-	-	-	-	2
Applied/Graphic/Fine Arts Tech.		117	34	6	7	1	5	3	26	35
Other		44	8	-	4	-	1	2	3	26
DATA PROCESSING TECHNOLOGIES	Total	426	179	4	32	1	8	17	45	140
Data Processing Technologies, Gen.		286	120	4	21	-	7	15	36	83
Computer Programmer Technologies		83	28	-	2	-	1	2	3	47
Computer Operator/Equipment Tech.		57	31	-	9	1	-	-	6	10
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	1,861	817	46	27	-	92	41	86	752
Health Services Assistant Tech.		13	1	-	-	-	-	-	1	11
Dental Assistant Technologies		64	41	-	-	-	1	3	7	12
Dental Hygiene Technologies		56	34	-	-	-	5	1	2	14
Medical/Biological Lab. Asst. Tech.		111	40	-	5	-	3	5	3	55
Radiologic Technologies		45	32	1	-	-	-	1	2	9
Nursing, R.N.		667	279	27	3	-	39	7	10	302
Nursing, Practical		457	241	7	3	-	17	8	43	138
Occupational Therapy Technologies		35	21	4	-	-	5	-	2	3
Surgical Technologies		7	6	-	-	-	-	-	1	0
Optical Technologies		4	2	-	1	-	-	-	-	1
Medical Record Technologies		31	6	-	-	-	2	2	-	21
Medical & Medical Office Asst. Tech.		94	24	-	10	-	4	6	2	48
Inhalation Therapy Technologies		74	24	2	1	-	4	-	2	41
Psychiatric Technologies		110	16	-	3	-	11	2	11	67
Eletro Diagnostic Technologies		-	-	-	-	-	-	-	-	-
Physical Therapy Technologies		32	25	4	1	-	-	1	-	1
Other		61	25	1	-	-	1	5	-	29
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	917	343	14	54	2	17	36	96	355
Mechanical and Engineering Tech., Gen.		55	7	-	2	-	2	2	8	34
Aeronautical and Aviation Technologies		29	9	-	3	-	4	-	11	2
Engineering Graphics		52	30	-	2	-	1	1	4	14
Architectural Drafting Technologies		80	27	1	7	1	4	5	20	15
Chemical Technologies		14	9	-	-	-	-	2	2	1
Automotive Technologies		22	17	-	2	-	-	1	2	-
Diesel Technologies		20	13	-	1	-	-	6	-	-
Welding Technologies		43	20	1	4	-	1	4	2	11
Civil Technologies (Surveying, Photogrammetry)		28	14	-	2	-	-	1	9	2
Electronics and Machine Technologies		175	74	3	12	1	1	6	21	57
Electromechanical Technologies		69	34	8	8	-	1	2	7	9
Industrial Technologies		9	5	-	-	-	-	-	1	3
Instrumentation Technologies		1	-	-	-	-	1	-	-	-
Mechanical Technologies		59	32	1	7	-	1	1	4	13
Nuclear Technologies		9	5	-	2	-	-	-	-	2
Construction and Building Technologies		242	41	-	2	-	-	5	4	190
Drafting Technologies		3	3	-	-	-	-	-	-	-
Other		7	3	-	-	-	1	-	1	2

Table 33.1

Employment Status by Degree Field for Associate Degree Graduates for Community Colleges, 1980 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
NATURAL SCIENCE TECHNOLOGIES	Total	159	70	7	17	-	1	6	16	42
Agriculture Technologies		16	12	-	4	-	-	-	-	-
Forestry and Wildlife Technologies		33	21	1	4	-	-	2	4	1
Food Service Technologies		61	20	6	3	-	1	3	5	23
Laboratory Technologies		12	6	-	2	-	-	-	1	3
Sanitation/Public Health Inspection Tech.		5	-	-	1	-	-	-	-	4
Other		32	11	-	3	-	-	1	6	11
PUBLIC SERVICE RELATED TECHNOLOGIES	Total	743	155	4	45	2	34	30	105	368
Education Technologies (Teacher Aide, etc.)		281	46	1	9	1	15	15	47	147
Library Assistant Technologies		6	3	-	-	-	1	-	2	-
Police/Law Enforcement/Correction Tech.		299	56	-	26	-	7	11	39	160
Recreation/Social Work Related Tech.		61	14	-	1	-	7	3	10	26
Fire Control Technologies		74	24	3	7	-	4	1	2	33
Public Administraiton/Management Tech.		3	3	-	-	-	-	-	-	-
Other		19	9	-	2	1	-	-	5	2

Table 33.2

Employment Status by Degree Field for Associate Degree Graduates for Proprietary Institutions, 1980

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
BUSINESS AND COMMERCE TECHNOLOGIES	Total	1,185	720	150	59	11	22	70	56	97
Business and Commerce Technologies, Gen.		190	86	29	11	-	-	15	21	28
Accounting Technologies		222	124	14	11	-	7	16	18	32
Marketing, Distribution, Purchasing, Business & Industrial Management Tech.		49	32	1	6	2	1	5	2	-
Secretarial Technologies		256	210	15	5	1	2	12	3	8
Photography Technologies		107	59	23	6	2	3	6	2	6
Communications/Broadcasting Tech.		8	5	1	2	-	-	-	-	-
Transportation and Public Utility Tech.		38	25	6	3	2	-	-	2	-
Applied/Graphic/Fine Arts Technologies		248	128	54	13	3	8	15	7	20
Other		67	51	7	2	1	1	1	1	3
DATA PROCESSING TECHNOLOGIES	Total	244	138	51	3	-	-	45	-	7
Data Processing Technologies		144	95	1	3	-	-	39	-	6
Data Processing/Equip. Main. Tech.		10	5	4	-	-	-	-	-	1
Other		90	38	46	-	-	-	6	-	-
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	77	56	1	5	1	-	5	5	4
Dental Laboratory Technologies		21	15	-	-	1	-	2	-	3
Optical Technologies		6	3	1	-	-	-	1	-	1
Medical and Medical Office Asst. Tech.		47	35	-	5	-	-	2	5	-
Other		3	3	-	-	-	-	-	-	-
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	703	344	220	58	4	3	32	15	27
Mechanical & Engineering Technologies		9	5	3	-	-	-	-	1	-
Engineering Graphics		31	19	6	3	-	-	3	-	-
Architectural Drafting Technologies		35	22	9	1	-	-	3	-	-
Chemical Technologies		4	2	2	-	-	-	-	-	-
Automotive Technologies		82	52	9	10	-	1	1	5	4
Welding Technologies		10	6	1	2	-	-	1	-	-
Civil Technologies		11	-	9	1	1	-	-	-	-
Electronics and Machine Technologies		303	129	136	18	-	-	3	-	17
Electromechanical Technologies		57	31	14	5	-	-	7	-	-
Industrial Technologies		17	10	2	2	2	-	1	-	-
Mechanical Technologies		21	9	7	3	-	-	-	2	-
Construction and Building Technologies		64	24	15	6	1	-	10	2	6
Other		59	35	7	7	-	2	3	5	-
NATURAL SCIENCE TECHNOLOGIES	Total	18	9	1	-	-	1	6	1	-
Other		18	9	1	-	-	1	6	1	-
PUBLIC SERVICE RELATED TECHNOLOGIES	Total	28	26	2	-	-	-	-	-	-
Other		28	26	2	-	-	-	-	-	-

Table 33.3

Employment Status by Degree Field for Associate
Degree Graduates for Four-Year Colleges and Universities, 1980

HEGIS Degree Field		Total	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
ARTS AND SCIENCE TRANSFERS	Total	436	33	6	31	5	7	16	195	143
Arts and Science Transfers		436	33	6	31	5	7	16	195	143
BUSINESS AND COMMERCE TECHNOLOGIES	Total	570	273	15	32	1	11	24	56	158
Business and Commerce Tech., General		235	60	2	19	-	5	14	39	96
Accounting Technologies		46	30	1	2	-	1	2	2	8
Banking and Finance Technologies		1	-	-	-	-	-	-	-	1
Marketing, Distribution, Purchasing, Business, Industrial Management Tech.		34	16	2	2	-	-	1	-	13
Secretarial Technologies		176	139	8	3	-	2	6	7	11
Communications and Broadcasting Tech.		18	3	-	1	-	1	1	3	9
Hotel and Restaurant Management Tech.		8	2	-	-	-	1	-	-	5
Applied/Graphic/Fine Arts Technologies		2	-	-	1	-	-	-	-	1
Other		50	23	2	4	1	1	-	5	14
DATA PROCESSING TECHNOLOGIES	Total	102	33	19	2	-	1	7	9	31
Data Processing Technologies		1	-	1	-	-	-	-	-	-
Computer Programmer Technologies		101	33	18	2	-	1	7	9	31
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	673	326	71	6	3	16	14	54	183
Health Services Assistant Tech.		18	9	5	-	-	2	2	-	-
Dental Assistant Technologies		55	-	-	-	-	-	-	-	55
Dental Hygiene Technologies		60	3	-	-	-	-	-	-	57
Medical or Biological Lab. Asst. Tech.		45	18	-	1	-	-	2	11	13
Radiologic Technologies		86	56	23	-	-	2	1	-	4
Nursing, R. N.		227	146	25	-	1	8	5	32	10
Medical Record Technologies		12	9	-	1	1	1	-	-	-
Medical & Medical Office Asst. Tech.		55	14	6	1	1	2	1	-	30
Inhalation Therapy Technologies		46	30	7	-	-	-	-	5	4
Other		69	41	5	3	-	1	3	6	10
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	623	161	49	24	4	1	21	121	242
Mechanical & Engineering Technologies		179	54	12	4	-	-	4	48	57
Architectural Drafting Technologies		39	9	1	4	1	-	2	14	8
Chemical Technologies		12	4	2	-	-	-	-	2	4
Civil Technologies		49	11	4	2	-	-	3	6	23
Electronics and Machine Technologies		11	2	-	1	-	-	-	1	7
Industrial Technologies		33	9	2	4	-	-	3	-	15
Mechanical Technologies		5	-	-	-	-	-	-	-	5
Nuclear Technologies		8	1	2	-	-	-	-	-	5
Construction and Building Technologies		23	3	2	1	1	-	2	2	12
Other		264	68	24	8	2	1	7	48	106
NATURAL SCIENCE TECHNOLOGIES	Total	136	20	7	10	6	11	8	24	50
Natural Science Technologies, Gen.		4	4	-	-	-	-	-	-	-
Agricultural Technologies		51	10	3	2	2	4	2	5	23
Forestry and Wildlife Technologies		72	2	4	6	4	7	5	17	27
Other		9	4	-	2	-	-	1	2	-
PUBLIC SERVICE RELATED TECHNOLOGIES	Total	188	35	7	10	2	4	5	11	114
Public Service Technologies		29	7	-	-	-	-	-	2	20
Bible Study/Religion Related Occupations		2	2	-	-	-	-	-	-	-
Police/Law Enforcement/Correction Tech.		87	5	-	4	1	2	2	1	72
Recreation and Social Work Related Tech.		23	2	-	3	-	1	1	5	11
Other		47	19	7	3	1	1	2	3	11